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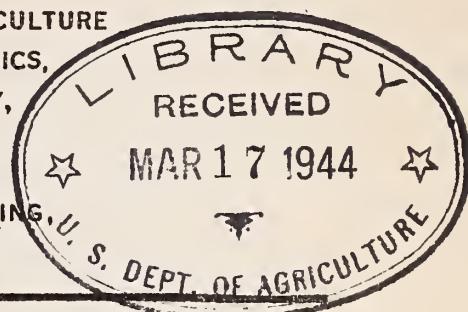
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133e/12 COTTON LITERATURE

SELECTED REFERENCES

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COMPILED BY EMILY L. DAY, LIBRARY SPECIALIST IN COTTON MARKETING,
BUREAU OF AGRICULTURAL ECONOMICS, WASHINGTON, D. C.



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CONTENTS

Production.....	661
Botany.....	661
Genetics and Plant Breeding.....	662
Agronomy.....	662
Diseases.....	668
Insects.....	670
Farm Engineering.....	672
Farm Management.....	672
Farm Social Problems.....	672
Cooperation in Production (One-Variety Communities).....	673
Preparation.....	673
Ginning.....	673
Baling.....	674
Marketing.....	675
General.....	675
Demand and Competition.....	677
Supply and Movement.....	682
Prices.....	687
Marketing and Handling Methods and Practices.....	688
Marketing Services and Facilities.....	689
Marketing Costs.....	693
Cooperation in Marketing.....	694
Utilization.....	694
Fiber, Yarn and Fabric Quality.....	694
Technology of Manufacture.....	704
Technology of Consumption.....	706
Cottonseed and Cottonseed Products.....	708
Legislation, Regulation, and Adjudication.....	712
Legislation.....	712
Regulation.....	714
Adjudication.....	717
Miscellaneous--General.....	718

COTTON LITERATURE is compiled mainly from material received in the Library of the U. S. Department of Agriculture.

Copies of the publications listed herein can not be supplied by the Department except in the case of publications expressly designated as issued by the U. S. Department of Agriculture. Books, pamphlets, and periodicals mentioned may ordinarily be obtained from their respective publishers or from the Secretary of the issuing organization. Many of them are available for consultation in public or other libraries.

PRODUCTIONBotany

3741. Costa, A.S. Experiências de germinação com *Gossypium thurberi* Tod. Revista de Agricultura 14(7-8):315-320. July-August 1939. (Published at Caixa Postal, 60, Piracicaba, São Paulo, Brazil) 9.2 R324

Literature cited, p.320.

Experiments on germination with *Gossypium thurberi* Tod.

3742. Galligar, Gladys C. Correlation between growth of excised root tips and types of food stored in the seed. Plant Physiol. 13(3):599-609. July 1938. (Published at N. Queen St. and McGovern Ave., Lancaster, Pa.) 450 P692

Literature cited, pp.608-609.

"The root tips of cotton invariably began to darken within 3 to 5 days, and, after growth stopped, turned completely black. From the ninth day onward lateral roots made their appearance, but never grew more than 13 mm. and never branched."

3743. Selim, Abdel-Ghaffar. Bud-shedding and its relation to pollen development in cotton. Egypt, Min. Agr., Tech. and Sci. Serv., Bot. Sect., Bull. 206, 10pp. Cairo, Government press, 1939. 24 Eg93

References, p.10.

"Investigation of the factors affecting shedding of the cotton floral bud, which amounts to about 30 to 40 per cent of the total plant production, indicates that shedding is most liable 22 days before flowering, at the time of the early prophase stage of meiosis of the pollen mother-cells, the formation of the abscission layer corresponding to the first activity of these cells. Poll shedding which occurs 8 days after flowering time, amounts to only 10 to 15 per cent. and flower shedding is negligible.- C."-Brit. Cotton Indus. Res. Assoc., Summary of Current Lit. 19(20):570. Nov. 1, 1939.

3744. Urquiza, Eduardo de. Glosario botanico algodonero (ensayo). Oro Blanco 2(24-25):35-37. June-July 1939. (Published at Avenida de Mayo 1370, Buenos Aires, Argentina) 72.8 Or6
 To be continued.
 Cotton botanical glossary (trial).

3745. Yamada, Toyomi, and Kudou, Norio. On the development of cotton seed. I. Viability and maturity of cotton seed. Manchoukuo Agr. Expt. Sta. Res. Bull. no. 28, pp. 25-39. June 1939. (Published at Kung-Chu-Ling, Manchoukuo) J 107 So8R
 References, pp. 38-39.
 In Japanese.

See also Item no. 4097.

Genetics and Plant Breeding

3746. Ryo-yo cotton experiment station, Manchoukuo. Breeding report of the cotton plant, "Ryo-yo no. 2." Manchoukuo Agr. Expt. Sta., Res. Bull. no. 28, pp. 1-11. June 1939. (Published at Kung-Chu-Ling, Manchoukuo) J 107 So8R
 In Japanese.

3747. Sacaton develops hallmark Pima cotton which any greenhorn can tell from SxP. Ariz. Farmer 18 (14):4. Sept. 16, 1939. (Published at 313 North Third St., Phoenix, Ariz.) 6 Ar44
 Strains of cotton developed at the Sacaton Field Station of the U.S. Bureau of Plant Industry are described.

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Agronomy

3748. Abaza, Fouad. The Royal agricultural society of Egypt.--Some of its recent work on the production of white cotton. Cotton [Manchester] 45(2184): 18. Oct. 28, 1939. (Published by the Manchester Cotton Assoc., Ltd., 411 Fourth Floor, Royal Exchange, Manchester, 2, Eng.) 304.8 C826

3749. Las abundantes lluvias caídas en las zonas algodoneras favorecen el cultivo del algodón. Las condiciones actuales y perspectivas son inmejorables. Gaceta Algodonera 16(188):15-17. Sept. 30, 1939. (Published at Reconquista 331,

Buenos Aires, Argentina) 72.8 G11

The abundant rain falling in the cotton zones favor cotton cultivation. The actual and prospective conditions are unsurpassable.

3750. Ahmad, Nazir. Transplants of sea-island cotton. *Nature* 144(3653):785. Nov. 4, 1939. (Published by MacMillan & Co. Ltd., St. Martin's St., London, W.C.2, Eng.) 472 N21
The production of sea island cotton at Sind, India, is noted.

3751. Aumenta el rendimiento del algodon Argentino. Argentine Republic, Junta Nacional del Algodon, Boletin Mensual no. 54, pp. 669-672. October 1939. (Published at Puenos Aires, Argentina) 72.9 Ar3
Increasing the yield of Argentine cotton.

3752. Bailey, E.H. Mississippi is realizing the need for more potash. *Potash Jour.* 3(5):3-5, 8-9. September-October 1939. (Published at Investment Bldg., Washington, D.C.) 57.8 P843
Study on "the value of well-balanced fertilizers in the production of profitable yields of cotton."

3753. Cartilla algodonera. Instrucciones por circular mimeográficas enviadas a los agricultores por la Administración general del Ferrocarril de Buenos Aires al Pacifico. *Revista Mensual F.A.P.* 22 (263):15-20. October 1939. (Published by Ferrocarril Buenos Aires al Pacifico, Buenos Aires, Argentina) 9 R326
Cotton letter. Mimeographed instructions in circular form sent to the farmers by the general administration of the Ferrocarril de Buenos Aires al Pacifico.

3754. Christidoy, Basil G. [Variety trials carried out by the Greek cotton institute during the years 1932-37] 34, 63pp. Athènes, Ministère de l'agriculture, Service des études agronomiques et économiques, 1938. (Publications de l'Institut de Coton (Sindos: Thessalonique))
In Greek. English summary, pp. 33-34.

3755. Cotton burs increase cotton yields. *Prog. Farmer* (Tex. ed.) 54(12):23. December 1939. (Published at 1105 Southland Life Annex, Dallas, Tex.) 6 T311

3756. Crop loss due to insects and other causes. Cotton Digest 12(8):5. Nov. 25, 1939. (Published at 710 Cotton Exchange Bldg., Houston, Tex.) 286:82 C822
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3757. Dorman, Clarence, and Coleman, Russell. The effect of calcium arsenate upon the yield of cotton on different soil types. Amer. Soc. Agron., Jour. 31(11):966-971. November 1939. (Published at Geneva, New York) 4 Am34P
 Literature cited, pp. 970-971.

3758. Evans, Sterling C. Tree cotton in Nor 'h Brazil. Prog. Farmer (Tex. ed.) 54(12):11, 46. December 1939. (Published at 1105 Southland Life Annex, Dallas, Tex.) 6 T311

3759. Les fêtes du coton vont être une réalité en Angola. Comité Cotonnier Congolais, Bulletin Trimestriel 4(13):38-44. April 1939. (Published at 27, Rue du Trône, Brussels, Belgium) 72.9 C732
 Cotton fêtes are going to be a reality in Angola.
 Cotton fêtes, similar to those in Belgian Congo, are being organized in Angola, and prizes of money and tools will be given to natives who have produced the best results." -Empire Cotton Growing Rev. 16(4):297. October 1939.

3760. Fewer acres, more bales. Farmer-Stockman 52(21): 524. Nov. 1, 1939. (Published at 500 North Broadway, Oklahoma City, Okla.) 6 Ok45
 Editorial comparing yields per acre in several states.

3761. Fewer cotton varieties needed. Prog. Farmer (Tex. ed.) 54(12):3, 53. December 1939. (Published at 1105 Southland Life Annex, Dallas, Tex.) 6 T311
 Editorial giving information as to the registering of varieties by the Cotton Registry Committee of the American Society of Agronomy.

3762. Freire, Antonio. Nuevos apuntes históricos del cultivo del algodón en la Argentina y sus derivaciones en el oeste de Córdoba. Revista Mensual B.A.P. 22(263):21-26. October 1939. (Published by Ferrocarril Buenos Aires al Pacífico, Buenos Aires, Argentina) 9 R326
 New historical notes on cotton cultivation in Argentina and its derivations in the west of Córdoba.

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(Published by Texas Cotton Ginners' Association, Inc., 109 North Second Ave., Dallas, Tex.)
304.8 C824

3764. Griffing, J.B. O progresso do melhoramento do algodão na E.S.A.V. Ceres 1(1):4-10. July-August 1939. (Published by Escola Superior de Agricultura e Veterinária, Viçosa, Minas Gerais, Brazil) 9.2 C332
Progress of cotton improvement in E.S.A.V.

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In Japanese. English summary, p.650.

3767. Increased interest in soils should increase production. Wabash, Sharky and Sarpy Lights rated excellent cotton lands. Delta Council News 1(3):4. Nov. 10, 1939. (Published at Stoneville, Miss.)

3768. Kearney, T.H. and Peebles, R.H. Has the Pima variety deteriorated? "No." Ariz. Farmer 18(14):12. Sept. 16, 1939. (Published at 313 North Third St., Phoenix, Ariz.) 6 Ar44

3769. Koesnoto, Ir. Resultaten van de in den westmonsoon 1937/38 en den oostmonsoon 1938 op Java en Madorea genomen veldproeven met katoen. Landbouw 15(6): 364-379. June 1939. (Published by Landbouwkundig Instituut, Buitenzorg, Java) 22.5 L23
Results of the field tests with cotton in the westmonsoon 1937/38 and the eastmonsoon 1938 in Java and Madura.

3770. Kolesnik, I.D. [The works of Academician Lysenko] Seleksiia Semenovodstvo no.8-9, pp.9-13. August-September 1938. (Published at Moskva, U.S.S.R.) 61.9 Se5

In Russian.

"Discusses vernalization, the production of early varieties by crossing on the principle of plastic development, the conclusion that no heterozygous form will give in segregation forms earlier than itself, and that that character will be dominant which finds conditions favourable for its development. Reference is made to the production of two early maturing cotton varieties, Od.1 and Od.2, of improved yield and ginning out-turn, larger bolls, less tendency to shedding and gummosis, and with longer lint."-Empire Cotton Growing Rev. 16(4):318. October 1939.

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Table shows amount of winter legume and nitrogen turned under and the following cotton yields, 1933-1939.

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3773. Matlock, Robert L. How \$2 to \$5 may be added to value of every bale of cotton picked in Arizona. Ariz. Farmer 18(15):1,13. Sept. 30, 1939. (Published at 313 North Third St., Phoenix, Ariz.) 6 Ar44

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3775. Miles, L.E. Effect of type and period of storage on cotton seed after treatment with organic mercury dusts. Phytopath. 29(11):986-991. November 1939. (Published at Cor. North Queen St. and McGovern Ave., Lancaster, Pa.) 464. P56

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3777. Moser, Frank. The influence of cropping practices on some physical and chemical properties of soil. Soil Sci. 48(5):421-431. November 1939. (Published by the Williams & Wilkins Co., Mt. Royal and Guilford Aves., Baltimore, Md.) 56.8 So3 References, pp.430-431. Studies with the cotton plant are included.

3778. Muramatsu, Sakae, Yamada, Toyomi, and Kudou, Norio. Survey of cotton seed in Manchurian cotton belt. I. Manchoukuo Agr. Expt. Sta. Res. Bull. no.28, pp.13-23. June 1939. (Published at Kung-Chu-Ling, Manchoukuo) J 107 So8R In Japanese.

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"During the four-year period 1935 to 1938, the Bureau of Plant Industry of the U.S. Department of Agriculture, in cooperation with the Delta Branch Experiment Station at Stoneville, studied the influence of variety and season upon several characteristics of twenty-four recently developed varieties and strains of cotton."

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3781. Pathological research shows increased yields of cotton because of treatment with ceresan. Miss. Farm Res. 2(10):7. October 1939. (Published by Mississippi Agricultural Experiment Station, State College, Miss.)

3782. Rhodesia, Southern. Department of agriculture and lands. Report of the secretary...for the year 1938. 48pp. Salisbury, 1939. 24 R344
 Abstract of the report of the cotton specialist of the Empire Cotton Growing Corporation, by G.S. Cameron, pp.28-29.

3783. Silva, Pedrito. Instruções sobre a desinfecção da semente do algodão. Bahia Rural 7(70):219-220. September 1939. (Published at Praça da Inglaterra no.1, Caixa Postal 450, Bahia, Brazil) 9.2 B142
 Instructions on the disinfection of cotton-seed.

3784. Texas research seeks root-rot free varieties. Work in hands of University of Texas unit backed by Clayton foundation. Cotton Trade Jour. 19(46):3. Nov.18, 1939. (Published at 810 Union St., New Orleans, La.) 72.8 C8214

3785. [Weil brothers] Picking progresses at rapid rate. Cotton Digest 12(5):12-13. Nov.4, 1939. (Published at 710 Cotton Exchange Bldg., Houston, Tex.) 286.82 C822

3786. Yamada, Toyomi, and Nakazawa, Okita. On the effect of fertilizers on the character of cotton fiber. Manchoukuo Agr. Expt. Sta. Res. Bull. no.28, pp.41-55. June 1939. (Published at Kung-Chu-Ling, Manchoukuo) J 107 So8R
 References, pp.54-55.
 In Japanese.

See also Items nos. 3745, 3746, 3791, 3811, 3868, 3869, 3870, 3872, 3873, 3874, 3878, 3887, 3890, 3891, 3894, 3895, 3897, 3908, 3950, 3969, 4053, 4054, 4061, 4062, 4065, 4066, 4067, 4076, 4079, 4080, 4084, 4086, 4091, 4092, 4097.

Diseases

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 Infestation of cottonseed with *Colletotrichum gossypii* South. and *C. gossypii* var. *Cephalosporioides*.

3788. Fonzo, Mario A. di. La bacteriosis del algodónero (mancha angular de la hoja). Argentine Republic, Junta Nacional del Algodón [Pub.] no. 47, 27pp. Buenos Aires. 1939. 281.3729 Ar3
 Bibliography, p. [27].
 Bacteriosis of the cotton plant (angular leaf spot).

3789. La Fusariose, maladie du cotonnier. Agriculture et Elevage au Congo Belge 13(10):151. October 1939. (Published at 34, rue de Stassart, Brussels, Belgium) 26 Ag84
 Wilt, a disease of cotton.

3790. Matsumoto, Takashi, and Huzioka, Yasuo. Bacteriophage in relation to *Bacterium malvacearum* E. F.S.I. Preliminary study. Phytopath. Soc. Japan, Annals 7(3-4):193-202. March 1938. (Published at 70, Morikawatyo, Hongo-ku, Tokyo, Japan) 464.9 P562
 "The bacteriophage of *Bacterium malvacearum* was obtained from an aqueous suspension of crushed, diseased cotton leaves kept at 10° C. for three weeks."-Empire Cotton Growing Rev. 16(1):69. January 1939.

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3794. Sahai Vasudeva, R., and Ashraf, Mohd. Studies on the root-rot disease of cotton in the Punjab. VII. Further investigation of factors influencing incidence of the disease. Indian Jour. Agr. Sci. 9(4):595-608. August 1939. (Published

by the Manager of Publications, Delhi, India)
 22 Ag83I
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Insects

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3796. Daring, skillful flyers brush cotton tops as they shower death dust on bugs. Ariz. Farmer 18(12):3,11. Aug.19,1939. (Published at 313 North Third St., Phoenix, Ariz.) 6 Ar44

3797. Freeman, Paul. A contribution to the study of the genus Calidea LaPorte (Hemipt.-Heteropt., Pentatomidae). Royal Ent. Soc., London, Trans. 88(5):139-159. Feb.15,1939. (Published at 41, Queen's Gate, London, S.W.7, Eng.) 420 L84
 References, pp.158-159.
 "The work described was undertaken as a result of a report on cotton pest control work in South and Central Africa and the Rhodesias (Munro, 1937) in which it is stated (p.33) that 'at least three plant-sucking bugs other than Dysdercus species act as vectors of 'boll-rot' fungi, the Pentatomids, Nezara viridula and Calidea dregii, and the Capsid, Helopeltis species.'"- Empire Cotton Growing Rev. 16(4):309. October 1939.

3798. Johnston, H.G. Knowing lygus and stinkbug habits gives cotton grower better chance at control. Ariz. Farmer 18(12):3. Aug.19,1939. (Published at 313 North Third St., Phoenix, Ariz.) 6 Ar44

3799. Later than customary poisoning of boll weevils indicated as profitable in cotton production. Miss. Farm Res. 2(10):7. October 1939. (Published by Mississippi Agricultural Experiment Station, State College, Miss.)

3800. Ousley, Clarence. Spread of pink bollworm. Cotton and Cotton Oil Press 40(28):14. Nov. 25, 1939. (Published at 3116-18 Commerce St., Dallas, Tex.) 304.8 C822
Editorial.

3801. Pink bollworm meet convenes at San Antonio. Complete elimination of cotton plant from infested areas considered. Cotton Trade Jour. 19(46):1. Nov. 18, 1939. (Published at 810 Union St., New Orleans, La.) 72.8 C8214
Report of meeting at San Antonio, Texas, Nov. 18, 1939.

3802. Rainwater, J.F. Experiments using several insecticides with and without wetting agents and stickers for boll weevil control. Jour. Econ. Ent. 32(5):700-703. October 1939. (Published by American Association of Economic Entomologists, Menasha, Wis.) 421 J822

3803. Shchegolev, V.M., Znamenskii, A.V., and Fei-Bienko, G. Ia. Insect pests of field crops. Ed. 2. 538pp. Moscow, State agricultural publishing co., 1937. 423 Sh2
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Cotton insects, pp.160-166, 462-469.

3804. Wille, Johannes E. Informes sobre el VII Congreso internacional de entomología de Berlin, y sobre el viaje de estudio a Europa y Egipto realizado en los meses de Julio a Octubre de 1938. Lima, Peru, Estación Experimental Agrícola de La Molina, Informe no.49, 18pp. Lima. 1939. 102.5 L622In
Report on the 7th International Congress of Entomology at Berlin and on a visit to Europe and Egypt in the months of July and October 1938.
"A general account after a visit to Egypt of the various important insect pests of that country, with special reference to the pink bollworm, which is not found in Peru."-Empire Cotton Growing Rev. 16(4):307. October 1939.

3805. Townsend, Charles H.T. Insectos que atacan al algodonero y a la caña de azúcar en el Perú. Segunda edición corregida y ampliada del Boletín no.1, por Johannes E. Wille. Lima, Peru, Estación Experimental Agrícola de La Molina, Boletín no.

17, 40pp. Lima. 1939. 102.5 L622B

Insects which attack cotton and sugar cane in Peru. Second revised and enlarged edition of Bulletin no.1, by Johannes E. Wille.

See also Items nos. 3756, 4049, 4050, 4055, 4076, 4085, 4092, 4097.

Farm Engineering

See Items nos. 3810, 4085, 4097.

Farm Management

3806. Steanson, Oscar, and Langsford, E.L. Food, feed, and southern farms; a study of production in relation to farm needs in the South. U.S. Dept. Agr., Bur. Agr. Econ., Farm Management Rept. no.1, 25pp., processed. Washington. 1939.

"It is evident from this study that the rank and file of cotton farmers do not represent a serious market threat as commercial producers of food and feed, if they supply their own needs first."

See also Items nos. 3807, 4097.

Farm Social Problems

3807. Brown, Malcolm, and Cassmore, Orin. Migratory cotton pickers in Arizona. xxi, 104pp. Washington, U.S. Works progress admin., Div. of res., 1939.

Partial contents: Earnings and conditions of Arizona cotton pickers, pp.1-11; Description of the migratory workers, pp.21-31; Labor demand in Arizona cotton, pp.49-59; Labor recruiting in Arizona, pp.61-75; Migratory casual workers in New Mexico, by Sigurd Johansen, pp.83-91.

3808. Chances for peace better in San Joaquin cotton picker strike. Daily News Rec. no.251, p.10. Oct.26, 1939. (Published at 8 East 13th St., New York, N.Y.) 286.8 N48

3809. D., E. WPA investigators rake Arizona over coals about cotton pickers. Ariz. Farmer 18(16):3. Oct.14, 1939. (Published at 313 North Third St., Phoenix, Ariz.) 6 Ar44

3810. Ousley, Clarence. Farm machinery and tenancy. Cotton and Cotton Oil Press 40(27):14. Nov. 11, 1939. (Published at 3116-18 Commerce St., Dallas, Tex.) 304.8 C822
 Editorial concluding that "cotton tenancy has been an economic failure and a social blight. A system of hired labor and modern machinery may be an improvement."

Cooperation in Production (One-Variety Communities)

3811. Adams, Orville. California cotton marches on. One variety for the state required by law. Cotton and Cotton Oil Press 40(27):5. Nov. 11, 1939. (Published at 3116-18 Commerce St., Dallas, Tex.) 304.8 C822

3812. Much of credit for success of Bonnie View one-variety project accorded cotton co-ops. South Texas cotton co-op assn. highly commended for services. Tex. Co-op. News 19(11):1, 2. Nov. 15, 1939. (Published by Texas Co-operative Publishing Co., Inc., 1100 South Ervay St., Dallas, Tex.) 72.9 T315F
 Report of a meeting of the Bonnie View One-Variety Cotton Project at Bonnie View, Tex., October 25, 1939.

3813. One-variety cotton pool. Cotton Trade Jour. 19 (46):2. Nov. 18, 1939. (Published at 810 Union St., New Orleans, La.) 72.8 C8214
 Editorial from Dallas Morning News.
 "The plan to pool Dallas County one-variety cotton and sell it at a premium based upon length of staple, uniformity and generally improved quality is sound."

See also Item no. 3907.

PREPARATION

Ginning

3814. Jones, T.M. Ginners share in responsibility for cotton quality. Miss. Farm Res. 2(10):1, 2, 7. October 1939. (Published by Mississippi Agricultural Experiment Station, State College, Miss.)

3815. Lummus cotton gin co. Moderno aparato secador y limpiador de algodón en bruto el Termolimpiaador "Lummus". Gaceta Algodonera 16(188):9-10. Sept. 30, 1939. (Published at Reconquista 331, Buenos Aires, Argentina) 72.8 G11

Modern drying and cleaning apparatus for raw cotton, the Thermo Cleener "Lummus".

3816. U.S. Department of agriculture. Agricultural marketing service. Ginners doing better. Cotton Digest 12(6):10-11. Nov. 11, 1939. (Published at 710 Cotton Exchange Bldg., Houston, Tex.) 286.82 C822

Also in Tex. Co-op. News 19(11):2. Nov. 15, 1939.

3817. Weaver, Otis T. Using your co-op gin. U.S. Farm Credit Admin. Circ. E-9, 12pp. Washington, [1939] 166.2 C4926

See also Items nos. 3763, 3963, 3978, 4076, 4091, 4097.

Baling

3818. Alexandria testing house. General report, 1937, prepared by Messrs. Hewat, Bridson & Newby for the XVIII International cotton congress, Cairo-Alexandria, January-February 1938. 87pp. Alexandria, A. Pisani, [1938]

Partial contents: Objects and functions, pp.9-10; Progress from date of inception, pp.15-16; Cotton baling in Egypt, pp.19-20; Conditioning cotton lots, pp.20-21; Sampling methods, pp.29-34; Handling of samples, pp.37-39; Drying process, p.43; Humidity tests for local or hydraulic lots, p.49; Humidity tests for export cotton lots, p.55; Possible methods of moisture testing, presented by Dr. W. Lawrence Balls, pp.63-65.

3819. Cotton bagging. Co-op Cotton Weekly News 6(20):2. Nov. 21, 1939. (Published at Bakersfield, Calif.)

"A bale of cotton wrapped in cotton bagging contains 7 1/2 pounds more lint than a bale of same gross weight wrapped in jute. Members are reminded that the Cotton Co-op. makes allowance for the 7 1/2 pounds."

3820. Cotton bagging substitution is asked by Ohioan. Cotton Trade Jour. 19(47):1,8. Nov. 25, 1939. (Published at 810 Union St., New Orleans, La.) 72.8 C8214
 "The use of cotton bagging in packing bales of cotton" is recommended.

3821. Government asking shipper-mill co-operation on cotton bagging. Marketing section plans stronger 1940 drive for better baling material. Cotton Trade Jour. 19(44):3. Nov. 4, 1939. (Published at 810 Union St., New Orleans, La.) 72.8 C8214

3822. Hill, T.Y. Cotton bagging. Prog. Farmer (Tex. ed.) 54(10 i.e.11):4. November 1939. (Published at 1105 Southland Life Annex, Dallas, Tex.)

3823. Improved method of baling American cotton. Com. Repts. no. 46, p.1061. Nov. 18, 1939. (Published by U.S. Bureau of Foreign and Domestic Commerce, Washington, D.C.) 157 C76D
 Illustrations show American cotton wrapped in jute and in cotton bagging in a foreign warehouse.

3824. Problems with cotton bagging. Cotton [Atlanta] 103(11):80. November 1939. (Published by W.R.C. Smith Publishing Co., Grant Bldg., Atlanta, Ga.) 304.8 C823

See also Items nos. 3953, 3963, 4046, 4060.

MARKETING

General

3825. Cox, A.B. Cotton situation. Tex. Business Rev. 13(9):12-13. Oct. 28, 1939. (Published by Bureau of Business Research, University of Texas, Austin, Tex.) 280.8 T312
 The significance to Texas of its cotton production is discussed.
 Also in Cotton Trade Jour. 19(44):6. Nov. 4, 1939; Cotton Digest 12(5):10. Nov. 4, 1939.

3826. Futures mart up as manipulation by U.S. is felt. This year's crop coming to be regarded as dead issue, about picked. Cotton Trade Jour. 19(46):1,5. Nov. 18, 1939. (Published at 810 Union St., New Orleans, La.) 72.8 C8214
 The cotton situation in the United States is discussed.

3827. Japanese cotton review for 1938-39 and outlook for 1939-40. Foreign Crops and Markets 39(19):425-426. Nov. 4, 1939. (Published by Office of Foreign Agricultural Relations, U.S. Department of Agriculture, Washington, D.C.) 1.9 St2F

3828. Lichte, F.E. Review of the 1939 cotton season. Cotton Ginners' Jour. 11(2):9, 15. November 1939. (Published by Texas Cotton Ginners' Association, Inc., 109 North Second Ave., Dallas, Tex.) 304.8 C824

3829. Robinson, Carl H. Fifty million bales of cotton. Agr. Situation 23(11):7-9. November 1939. (Published by U.S. Department of Agriculture, Bureau of Agricultural Economics, Washington, D.C.) 1 Ec7Ag
The outlook for 1940.

3830. U.S. Department of agriculture. The cotton outlook for 1940. 14pp., processed. [Washington, 1939] Prepared by Bureau of Agricultural Economics and Agricultural Marketing Service.
Extracts in Cotton Trade Jour. 19(45):1, 8. Nov. 11, 1939.

3831. U.S. Department of agriculture. Bureau of agricultural economics. Agricultural outlook charts, 1940. Cotton. 21pp., processed. [Washington] 1939.

3832. U.S. Department of agriculture. Office of foreign agricultural relations. Review of Japanese cotton situation in 1938-39 and outlook for 1939-40. Foreign Crops and Markets Nov. 8, 1939, pp. 436-444. (Published by U.S. Department of Agriculture, Office of Foreign Agricultural Relations, Washington, D.C.) 1.9 St2F
Supplement to Foreign Crops and Markets 39 (19). Nov. 4, 1939.
Based largely on a report submitted by Walter P. McConaughy, American consul, Osaka, Japan.

3833. U.S. Department of commerce. Bureau of the census. Cotton production and distribution, season of 1938-39, prepared under the supervision of Harvey J. Zimmerman. U.S. Dept. Com. Bur. Census Bull. 176, 52pp., processed. Washington, U.S. Govt. print. off. 1939.

3834. Whither away Texas? Cotton Trade Jour. 19(44):2. Nov. 4, 1939. (Published at 810 Union St., New Orleans, La.) 72.8 C8214 Editorial on the Texas cotton situation.

See also Item no. 4081.

Demand and Competition

3835. And now--after ten years. Cotton [Atlanta] 103 (11):49-50, 84. November 1939. (Published by W.R.C. Smith Publishing Co., Grant Bldg., Atlanta, Ga.) 304.8 C823 Editorial surveying conditions in the United States textile industry.

3836. Argentina and the U.S.A. Agreement would hit Lancashire. Textile Mercury and Argus 101 (2634):324. Sept. 15, 1939. (Published at 41, Spring Gardens, Manchester, Eng.) 304.8 T318 The effect of the proposed trade agreement between Argentina and the United States is considered.

3837. The Argentine textile industry. Argentine News no. 6, pp. 10-12. March 1939. (Published by Ministry for Foreign Affairs and Worship, Direction of Research, Archives and Propaganda, Buenos Aires, Argentina) 255.1 Ar37A Results of a census of textile establishments in 1937-38 are given.

3838. Bergen, Werner von. Soya bean fiber and its identification. Rayon Textile Monthly 20(11): 633-635. November 1939. (Published at 303 Fifth Ave., New York, N.Y.) 304.8 R21 "The soy bean fiber may become another competitor of wool which it approaches closely."

3839. Business summary. Textile Weekly 24(607):447. Oct. 20, 1939. (Published at 49, Deansgate, Manchester, 3, Eng.) 304.8 T3127 Editorial on the situation in the textile industry in Great Britain in which it is stated that "it is no longer possible to obtain certain basic raw cotton data which is essential for all sections of the industry to form a fair economic judgment."

3840. Business summary. Textile Weekly 24(609):503. Nov. 3, 1939. (Published at 49, Deansgate, Manchester, 3, Eng.) 304.8 T3127
Editorial in which discussion of the situation in the British cotton trade is included.

3841. Carlisle, Prince M. The position of the cotton textile industry following recent increase in sales. Annalist 54(1399):597-598. Nov. 9, 1939. (Published by the New York Times Co., New York, N.Y.) 284.8 N48

3842. Chinese cotton hose imports show gain. Cotton [Atlanta] 103(11):136. November 1939. (Published by W.R.C. Smith Publishing Co., Grant Bldg., Atlanta, Ga.) 304.8 C823

3843. [Crowther, A.H.] War-time problems in the trade. Textile Weekly 24(609):504. Nov. 3, 1939. (Published at 49, Deansgate, Manchester, 3, Eng.) 304.8 T3127
Address to members of the Burnley Textile Society in the Mechanics' Institution recently.

3844. [Fisher, Russell T.] Cotton industry trends and outlook. Amer. Wool & Cotton Repr. 53(43): 19-20, 39-42. Oct. 26, 1939. (Published by Frank P. Bennett & Co., Inc., 530 Atlantic Ave., Boston, Mass.) 304.8 W88
Report at meeting of National Association of Cotton Manufacturers held at Boston, Mass., October 18, 1939.

3845. Freire, Jesús, and Marenco, Carlos R. Las fibras artificiales. Sus posibilidades de competencia con el algodón. Argentine Republic, Junta Nacional del Algodón, Boletín Mensual no. 54, pp. 683-705. October 1939. (Published at Buenos Aires, Argentina) 72.9 Ar3
Artificial fibers. Their possibilities of competition with cotton.

3846. Giménez, Julián Sancerni. El Problema de la industria textil. Oro Blanco 2(24-25):7-11. June-July 1939. (Published at Avenida de Mayo 1370, Buenos Aires, Argentina) 72.8 Or6
The problem of the textile industry.

3847. Goldthwait, Charles F. The textile revolution, are others on the way? Amer. Tyestuff Repr. 28(18):539-541. Sept. 4, 1939. (Published by Howes Publishing Co., Inc., 440 Fourth Ave., New York, N.Y.) 306.8 Am3

Competition of rayon with other fibers is noted.

3848. Great Britain. Board of trade. Trade agreement between His Majesty's government in the United Kingdom and the government of India, London, March 20, 1939. 20pp. London, H.M. Stationery off., 1939. 286 G7922T

Cotton and cotton cloth are among the items included in the agreement.

3849. Increased domestic use of cotton probable according to economists. Expected to be offset by decline in Europe due to war. Delta Council News 1(3):2,4. Nov. 10, 1939. (Published at Stoneville, Miss.)

3850. Inroads of substitutes on awnings of cotton duck draw warning. Daily News Rec. no. 261, pp. 1, 12. Nov. 7, 1939. (Published at 8 East 13th St., New York, N.Y.) 286.8 N48

"In the State of Texas alone this year, 400,000 yards of cotton duck have been replaced by wooden awnings."

3851. Joint committee of cotton trade organisations. Economic service. Rayon and the cotton industry. 5pp., processed. [Manchester? 1939] 304 J663

3852. Jones, F.P. The Lancashire cotton trade. Land & Liberty 46(544):155-157. September 1939. (Published by the United Committee for the Taxation of Land Values, Ltd., 34 Knightrider St., St. Paul's, London, E.C.4, Eng.)

"There is only one way by which home demand for cotton and other goods can be brought to expand to the requisite extent. We must turn to free trade in its fullness--freedom to produce as well as freedom to exchange. We must apply the land value policy which would take taxes completely off all processes and products of human labour, and instead would raise revenue from the communally created values of land."

3853. Kennedy, Stephen J. Fundamental trends in consumption of fibers. Cotton [Atlanta] 103(11): 58. November 1939. (Published by W.R.C. Smith Publishing Co., Grant Bldg., Atlanta, Ga.) 304.8 C823
Abstract of a paper read before the American Association of Textile Technologists in October. Also in Cotton Trade Jour. 19(47):1,3. Nov. 25, 1939.

3854. King, C.J. Arizona farmer series to give rock-bottom data on American-Egyptian cotton industry. Ariz. Farmer 18(11):7. Aug. 5, 1939. (Published at 313 North Third St., Phoenix, Ariz.) 6 Ar44

3855. [Murchison, Claudio T.] Two ways to profit by the boom. Keep production schedules and sales commitments in check, urges Murchison. Textile World 89(12):62-63. November 1939. (Published by McGraw-Hill Publishing Co., Inc., 330 West 42nd St., New York, N.Y.) 304.8 T315
Extracts from address at annual meeting of Cotton Textile Institute, October 25, 1939.

3856. New synthetic solid produces unusual tracing paper. Sci. Amer. 161(6):357-358. December 1939. (Published by Munn & Co., Inc., 24 West 40th St., New York, N.Y.) 470 Sci25
"The new paper is named Albanene. It is made of long-fiber, clean, white rags, and is treated with a new crystal-clear synthetic solid called Albanite."

3857. [Pickard, Edward T.] [International trade in textiles.] Amer. Wool & Cotton Rept. 53(43): 46-47. Oct. 26, 1939. (Published by Frank P. Bennett & Co., Inc., 530 Atlantic Ave., Boston, Mass.) 304.8 W88
Address at meeting of National Association of Cotton Manufacturers held at Boston, Mass., October 18, 1939.

3858. Prospects in the export trade. Market needs and problems reviewed. Manchester Guardian Com. ("World Textiles") Oct. 7, 1938, pp. 8-10. (Published at Guardian Bldg., 3 Cross St., Manchester, 2, Eng.) 304.9 M31W
Markets for British textiles are considered.

3859. Rise of other fibers leads to increased use of cotton yarns. Manufacturers using cotton to maintain retail brackets. Increased use of mercerized yarn by hosiery manufacturers noted--Outerwear trade also turning to cotton yarns. *Jour. Com.* [New York] 182(14087):11. Nov. 22, 1939. (Published at 63 Park Row, New York, N.Y.) 286.8 J82

3860. Scoggin, W.T. Give government cotton surplus to army for keeps, says farmer. Inadequacy of farm income demands drastic measures, is view. *Cotton Trade Jour.* 19(47):7. Nov. 25, 1939. (Published at 810 Union St., New Orleans, La.) 72.8 C8214

3861. Simpich, Frederick. Chemists make a new world. Creating hitherto unknown raw materials, science now disrupts old trade routes and revamps the world map of industry. *Natl. Geog. Mag.* 76(5): 601-640. November 1939. (Published at Hubbard Memorial Hall, Washington, D.C.) 670 N213

3862. Sonner, Robert. Poland's market for U.S. cotton gone with wind. Russia half to turn to Turkestan growths, possibly the German also. *Cotton Trade Jour.* 19(47):6. Nov. 25, 1939. (Published at 810 Union St., New Orleans, La.) 72.8 C8214

3863. The strength of the textile position. *Textile Weekly* 24(608):475. Oct. 27, 1939. (Published at 49, Deansgate, Manchester, 3, Eng.) 304.8 T3127
Editorial on the situation in Great Britain.

3864. [Tate, C.] Blackburn. *Textile Weekly* 24(609): 506-507. Nov. 3, 1939. (Published at 49, Deansgate, Manchester, 3, Eng.) 304.8 T3127
Extracts from address on "How the cotton trade of Lancashire will fare when war is over and peace has been established in Europe" presented at the annual dinner of Blackburn and District Mill Managers' Association, October 28, 1939.

3865. Textile manufacture--size of various branches of industry in Mexico. *Com. Repts.* no. 46, p. 1063. Nov. 18, 1939. (Published by U.S. Bureau of Foreign and Domestic Commerce, Washington, D.C.) 157 C76D

3866. Thone, Frank. Pine outyields cotton. Sci. News Letter 36(16):251. Oct. 14, 1939. (Published at 2101 Constitution Ave., Washington, D.C.) 470 Sci24

These sources of cellulose are compared.

3867. Wang Fu-li. China's cotton industry in wartime. Reduction of 39% in the total number of spindles and 40% in the total number of looms--Chinese spindles and looms reduced by 76% and 85% respectively. Financ. & Com. 33(23):472. June 7, 1939. (Published at 320 Szechuan Road, Shanghai, China) L.C. HG1 .F3

See also Items nos. 3832, 3833, 3876, 3866, 4044, 4051, 4056, 4064, 4068, 4069, 4077, 4083, 4096.

Supply and Movement

3868. Alcanzara a 66.000 toneladas la produccion de algodon de este año. Argentine Republic, Junta Nacional del Algodon, Boletin Mensual no.54, pp.665-667. October 1939. (Published at Buenos Aires, Argentina) 72.9 ArS

Cotton production will reach 66,000 tons this year.

3869. Aliotta, A. Come si deve coltivare il cotone. Internat'l. Inst. Agr., Bibliog. Trop. Agr. (1938):236. 1939. (Published at Villa Umberto I, Rome, Italy) 241 In8B

Review of pamphlet published in Rome, 1938-XVII, 16pp.

How cotton should be cultivated.

"Interesting treatise which shows the remarkable advance made in cotton production in Italy within the last two years. In 1938, over 101,000 acres were under cotton, of which about 89,000 acres in Sicily. It is considered that it will be possible to still further increase production by means of a special system of cultivation described by the A."-Entire item.

3870. Amaral, Raul J. Poteiro da produção algodoeira Paulista, 1865-1938. Ouro Franco 5(5):12-14. September 1939. (Published at R. Quintino Bocayuva, 54, São Paulo, Brazil)

Record of Paulista cotton production, 1865-1938.

3871. Britain ready to okeh order bills of lading. Loosening of blockade restrictions would facilitate bona fide shipments to neutrals in European danger areas. Assurance said to have been given Cotton export corporation, but British say matter still in negotiation. Cotton Trade Jour. 19(46):1,5. Nov.18,1939. (Published at 810 Union St., New Orleans, La.) 72.8 C8214

3872. Campagne cotonnière 1937-1938 des régions septentrionales du Congo Belge. Belgium, Direction Générale de l'Agriculture, Bulletin Agricole du Congo Belge 29(4):836-832. December 1938. (Published at Place Royale, 7, Brussels, Belgium) 24 K83
 Cotton campaign, 1937-1938, in the northern regions of the Belgian Congo.
 "The cotton campaign terminating in 1938 increased the production in Northern Congo, which now reaches 70,000 tons of seed cotton. The mean yield per hectare is about 340 kg. (about 300 lb. per acre), and the production per planter is about 135 kg."-Empire Cotton Growing Rev.16(4):295. October 1939..

3873. Chavirin, Ivan. Algumas considerações sobre a produção algodoeira de São Paulo. Dados estatísticos e outras sugestões do momento. Ouro Branco 5(5):8-10. September 1939. (Published at R. Quintino Bocayuva, 54, São Paulo, Brazil)
 Some considerations on cotton production of São Paulo. Statistical data and other suggestions of the moment.

3874. Cotton. Pacific Rural Press 138(10):319. Nov.18, 1939. (Published at 83 Stevenson St., San Francisco, Calif.) 6 Pl12
 The production of cotton in California is noted.

3875. Cotton and waste chargeable to U.S. import quotas listed. Daily News Rec. no.270, p.5. Nov.17, 1939. (Published at 8 East 13th St., New York, N.Y.) 286.8 N48

3876. Cotton imports into China for 1938-39 exceed expectations. Foreign Crops and Markets 39(22): 549-551. Nov.25,1939. (Published by U.S. Department of Agriculture, Office of Foreign Agricultural Relations, Washington, D.C.) 1.9 St2F
 Table shows imports, 1931-32 to 1938-39, by countries.

3877. Cotton's movement. Cotton Trade Jour. 19(47):2. Nov. 25, 1939. (Published at 810 Union St., New Orleans, La.) 72.8 C8214
Editorial on the season's exports to date.

3878. Drought delays cotton planting in São Paulo, Brazil. Foreign Crops and Markets 39(21):519-521. Nov. 18, 1939. (Published by U.S. Department of Agriculture, Office of Foreign Agricultural Relations, Washington, D.C.) 1.9 St2F
Table shows area and production in São Paulo, Brazil, with comparisons, 1932-33 to 1938-39.

3879. Edwards, J.E. No cotton goes to Britain, not a bale in week. Allies well stocked, have time to catch their breath as far as concerns cotton. May shift to exotics. See merger of empires. Britain and France said to plan practical union of their economic resources, wider European confederation. Cotton Trade Jour. 19(46):1,5. Nov. 18, 1939. (Published at 810 Union St., New Orleans, La.) 72.8 C8214

3880. Effects of war on Brazil. Com. Rpts. no. 47, pp. 1093-1096. Nov. 25, 1939. (Published by U.S. Bureau of Foreign and Domestic Commerce, Washington, D.C.) 1.57 C76D
Cotton, p. 1094.

3881. Evans, Sterling C. Rapidly developing cotton frontier. Farm and Ranch 58(11):4, 25. November 1939. (Published at 3306 Main St., Dallas, Tex.) 6 T31
"This is the second and last installment of Sterling C. Evans' story of cotton development in Brazil."—Editor's note.

3882. Failure of cotton crop in Taiwan reported. Foreign Crops and Markets 39(19):419-420. Nov. 4, 1939. (Published by Office of Foreign Agricultural Relations, U.S. Department of Agriculture, Washington, D.C.) 1.9 St2F
Also in Cotton Digest 12(6):5. Nov. 11, 1939.

3883. Hembury, Sir William H. Cotton growing within the British Empire. The situation reviewed. Cotton (Manchester) 45(2184):22. Oct. 28, 1939. (Published by the Manchester Cotton Assoc., Ltd., 411 Fourth Floor, Royal Exchange, Manchester, 2, Eng.) 30.4 C826
Also in Cotton Trade Jour. 19(47):6. Nov. 25, 1939.

3884. Improved staple cottons. Planters Gazette and Annual 1(1):144-145. 1939. (Published at 9 Royd St., Calcutta, India) 22 P694

3885. Improving the cotton crop of this country. Planters Gazette and Annual 1(1):146-148. 1939. (Published at 9 Royd St., Calcutta, India) 22 P694

3886. Increased cotton imports in Roumania. Financ. News 7(37):15. Sept. 23, 1939. (Published at Yusuf Bldg., 43, Esplanade Road, Fort, Bombay, India) 286.8 F496

3887. [India. Madras] Cotton--1938-39--fifth or final report. Madras Agr. Jour. 27(5):183-190. May 1939. (Published by the Madras Agricultural Students' Union, Agricultural College and Research Institute, Coimbatore, S. India) 22 M262
 Production, yield and price of cotton in Madras, India for 1938-39 are given.

3888. Janevay, Eliot. Crisis in American cotton. Asia 39(9):541-543. September 1939. (Published at 40 East 49th St., New York, N.Y.) 286.8 Am31
 "Since the outlook for recovered cotton exports--whether through cooperation or trade war --is so poor, the United States would do better to acknowledge that half of its cotton farmers are desperately in need of new ways to earn their livelihood. Meanwhile, the September Cotton Conference should result in acknowledgement of the thesis that the United States can export only by subsidizing its customers. Whether the American people will decide that it is cheaper to subsidize wholesale reorganization of the Cotton Belt, it is too early to tell."

3889. La Junta nacional del algodón estimó en 66.000 toneladas la producción de fibra de algodón de la campana 1938/1939. Gaceta Algodonera 16 (188):25-26, 28. Sept. 30, 1939. (Published at Reconquista 331, Buenos Aires, Argentina) 72.8 G11
 The Junta Nacional del Algodón estimated at 66,000 tons the production of cotton in the 1938/39 season.

3890. Long staple cotton for Bengal. Planters Gazette and Annual 1(1):143. 1939. (Published at 9 Royd St., Calcutta, India) 22 P694

3891. Matlock, Robert L. American-Egyptian market quality as shown by grades and staple lengths. Ariz. Farmer 18(15):6. Sept. 30, 1939. (Published at 313 North Third St., Phoenix, Ariz.) 6 Jr44

3892. Mouvement du commerce extérieur turc durant l'année 1938. Turkofis, Ministère de l'Economie, Bulletin Economique 3(37-38):9-34. March-April 1939. (Published at Ankara, Turkey) 280.8 T842
 Movement of Turkish foreign trade during the year 1938.
 "Cotton exports amounted to 25,082 tons compared with 11,233 tons in the previous year. Of the exports in 1938, 11,031 tons went to Italy, 6,268 to Germany, 5,300 to Roumania, 2,026 to Japan, and 1,262 tons to all other countries."- Empire Cotton Growing Rev. 16(4):297. October 1939.

3893. Nuestro país tiene posibilidades de ser un gran productor de algodón. El área algodonera debe extenderse, pues actualmente es pequeña comparada con lo que podría abarcar en nuevas zonas aptas para este cultivo. Gaceta Algodonera 16(18):13. Sept. 30, 1939. (Published at Reconquista 351, Buenos Aires, Argentina) 72.8 G11
 Our country has possibilities of being a great cotton producer. The cotton area must be extended since it is actually small compared with that which can be contained in new zones suited to this cultivation.

3894. Quality improvement of American cotton. Aer. Life 6(9):10-11. September 1939. (Published at P.O. Box 3062, 823 O'Donnell, Manila, P.I.) 25 A63

3895. A safra recor^d de algodão em S. Paulo. Revista do Algodão 9(50):2842-2851. August 1939. (Published at Rua do S. Bento, 369, São Paulo, Brazil)
 A record cotton harvest in São Paulo.

3896. Shortage of raw cotton feared in Shanghai circles. Daily News Pec. no. 256, p.14. Nov. 3, 1939.
 (Published at 8 East 13th St., New York, N.Y.) 286.2 N48

3897. Smith, C.C. Ten years of Delta agriculture.
 Staple Cotton Rev. 17(10):1-6. October 1939.
 (Published by the Staple Cotton Cooperative
 Association, Greenwood, Miss.) 72.8 St22
 Includes yields and production of cotton.

3898. Somewhat limited! Cotton Trade Jour. 19(44):2.
 Nov. 4, 1939. (Published at 810 Union St., New
 Orleans, La.) 72.8 C8214
 Editorial on prospects for exports by the
 new Cotton Export Corporation.

3899. [Southern cotton shippers association] Staple
 cotton receipts large. Cotton Digest 12(5):13.
 Nov. 4, 1939. (Published at 710 Cotton Exchange
 Bldg., Houston, Tex.) 286.82 C822

3900. Subsidy cotton sales total is 3,358,000 bales.
 Procedure streamlined at New Orleans office;
 pays in eight days. Cotton Trade Jour. 19
 (44):1. Nov. 4, 1939. (Published at 810 Union
 St., New Orleans, La.) 72.8 C8214

3901. Superior cotton can be grown on a large scale in
 India. Planters Gazette and Annual 1(1):149-
 150. 1939. (Published at 9 Royd St., Calcutta,
 India) 22 P694

3902. That Japanese treaty. Cotton Trade Jour. 19(47):2.
 Nov. 25, 1939. (Published at 810 Union St.,
 New Orleans, La.) 72.8 C8214
 Editorial on exports of cotton from United
 States to Japan.

See also Items nos. 3758, 3760, 3782, 3832, 3833,
 3920, 3932, 3936, 3937, 3969, 4042, 4043, 4053,
 4056, 4064, 4065, 4067, 4071, 4076, 4079, 4080,
 4083, 4086, 4091, 4092, 4097.

Prices

3903. Delta growers of cotton see prices holding. Daily
 News Rec. no. 249, p. 11. Oct. 24, 1939. (Published
 at 8 East 13th St., New York, N.Y.) 286.8 N48

3904. First pool closed. Basis change. Co-op Cotton
 Weekly News 6(16):1. Oct. 25, 1939. (Published
 at Bakersfield, Calif.)
 "The basis has been weak this year as compared
 with last year. In fact, the average in the San

Joaquin Valley has been about 50 points lower than a year ago."

3905. [Norris, P.K.] No price rise, says P.K. Norris. Cotton Digest 12(7):3. Nov. 18, 1939. (Published at 710 Cotton Exchange Bldg., Houston, Tex.) 286.82 C822
 The probable effect of the war on prices is discussed.
 Also in Cotton and Cotton Oil Press 40(28):10. Nov. 25, 1939.

3906. Ousley, Clarence. Dubious cotton price forecasts. Cotton and Cotton Oil Press 40(28):14. Nov. 25, 1939. (Published at 3116-18 Commerce St., Dallas, Tex.) 304.8 C822
 Editorial.

3907. Ozment, Dale. Farmers receive benefit of one variety cotton. Okla. Ext. News 20(11):1. November 1939. (Published by Oklahoma Agricultural and Mechanical College Extension Division, Stillwater, Okla.)
 Prices received by a one-variety community in Marshall County, Okla. are noted.

3908. Southern Alabama farmers got \$120 a bale for their cotton. Cotton and Cotton Oil Press 40(28):13. Nov. 25, 1939. (Published at 3116-18 Commerce St., Dallas, Tex.) 304.8 C822
 Prices for sea island cotton are noted.

3909. Trend of spot cotton prices. Cotton Digest 12(7):9. Nov. 18, 1939. (Published at 710 Cotton Exchange Bldg., Houston, Tex.) 286.82 C822
 Graph shows trend from August 1 to November 4, 1939.

See also Items nos. 3826, 3832, 3867, 3911, 3921, 3933, 3934, 4041, 4056.

Marketing and Handling Methods and Practices

3910. Bombay cotton ring grants permission for 24-hrs. daily trading. Daily News Rec. no. 276, p.1. Nov. 25, 1939. (Published at 2 East 13th St., New York, N.Y.) 286.8 W46
 The Bombay market will keep open 24 hours daily beginning November 24, 1939 in order to be "open during trading hours on both the Liverpool and United States markets."

3911. The effect of call cotton. Textile Bull. 57(4): 30-31. Oct. 15, 1939. (Published by Clark Publishing Co., 212 West Morehead St., Charlotte, N.C.) 304.8 Sq82 Editorial.

3912. Limitations on cotton trading. Jour. Com. (New York) 182(14059):2. Oct. 18, 1939. (Published at 63 Park Row, New York, N.Y.) 286.8 JC2 Editorial.
Also in Textile Weekly 24(610):541. Nov. 10, 1939.

3913. Recall Farm board cotton corner of 1930 was failure. Professor Boyle of Cornell and Doctor Cox of Texas are quoted. Cotton Trade Jour. 19(45):1. Nov. 11, 1939. (Published at 810 Union St., New Orleans, La.) 72.8 C8214

See also Items nos. 3913, 3900, 3922, 4031, 4040, 4048, 4091.

Marketing Services and Facilities

3914. Agreement, variation in classing of cotton subject of U.S. report. Cotton Trade Jour. 19(44):1, 3. Nov. 4, 1939. (Published at 810 Union St., New Orleans, La.) 72.8 C8214
A publication by Ronald E. Betts entitled "Agreement and variation in the classification of cotton" is commented upon.

3915. Assets and bond requirement of storers recited. Acceptability standards for 1938 are expected to apply this year. Cotton Trade Jour. 19(45):3. Nov. 11, 1939. (Published at 810 Union St., New Orleans, La.) 72.8 C8214
Requirements for warehouses storing loan cotton are noted.

3916. Barter classing to produce 625 bales city crop. 2,500,000 bales will have been classed at end of task, in February. Cotton Trade Jour. 19(44):1. Nov. 4, 1939. (Published at 810 Union St., New Orleans, La.) 72.8 C8214
"This figure is based on an estimate of 25 bales of city crop to each 100,000 bales classed, and on the prospect that the classers will find it necessary to class about 2,500,000 bales to find the 690,000 desired."

3917. Board of cotton examiners ready for loan cotton. Detailed instructions as to warehouse procedure in sampling are sent. Cotton Trade Jour. 19(47):3. Nov. 25, 1939. (Published at 810 Union St., New Orleans, La.) 72.8 C8214

3918. "Cash and carry" shipments create finance problem. American cotton shippers association seeks clearing house arrangement. Cotton Trade Jour. 19(45):1,8. Nov. 11, 1939. (Published at 810 Union St., New Orleans, La.) 72.8 C8214

3919. Cotton awaits French okeh of British system. Shippers meeting assured by lines' spokesman that negotiable bills of lading will be available at early date. Navicerts are discussed. Cotton Trade Jour. 19(47):1. Nov. 25, 1939. (Published at 810 Union St., New Orleans, La.) 72.8 C8214
"American cotton will be moving to neutral countries through the British blockade on order bills of lading just as soon as formal confirmation of the arrangements is made by the French Government."

3920. Cotton export fund is set up. Reconstruction finance corporation makes \$5,000,000 available to expedite exports. Tex. Co-op. News 19(11):1. Nov. 15, 1939. (Published by Texas Co-operative Publishing Co., Inc., 1100 South Ervay St., Dallas, Tex.) 72.9 T315F

3921. Cotton loan. Co-op. Farmer 18(4):2. November 1939. (Published at 219 1/2 East Capitol St., Jackson, Miss.) 230.28 C7892
Editorial on efforts of farm organizations to obtain a government loan on cotton stating that "the price that farmers were actually offered for cotton was considerably below the loan price in spite of official quotations to the contrary."

3922. Cotton loan called invitation to producers to join in huge holding movement at U.S. risk. Said to have effect of large scale bull manipulation of futures market by largest speculator of all. Resembles subsidy cut. Cotton Trade Jour. 19(45):1,8. Nov. 11, 1939. (Published at 810 Union St., New Orleans, La.) 72.8 C8214

3923. Cotton loan seen as unlikely. Cotton Digest 12 (5):9. Nov. 4, 1939. (Published at 710 Cotton Exchange Bldg., Houston, Tex.) 286.82 C822

3924. Cotton loan to allow premiums on quarter staple. Agricultural committee wires Roosevelt of effect of Wallace plan. Delta Council News 1(3):1,3. Nov. 10, 1939. (Published at Stoneville, Miss.)

3925. Expect 1,500,000 or 2,500,000 may go into new loan. Smaller than most loans, CCC view; location differentials sketched. Cotton Trade Jour. 19(45):1,8. Nov. 11, 1939. (Published at 810 Union St., New Orleans, La.) 72.8 C8214

3926. F.D.R. balks at non-mandatory cotton loan plan. Department of agriculture and C.C.C. reported still hoping for o.k. Cotton Trade Jour. 19 (44):1. Nov. 4, 1939. (Published at 810 Union St., New Orleans, La.) 72.8 C8214

3927. Fallacies of government classing as told by Betts bring comments. Cotton Trade Jour. 19(46):1,3. Nov. 18, 1939. (Published at 810 Union St., New Orleans, La.) 72.8 C8214
Quotations from an article by J.B. Lawrason, published on May 14, 1938, are included.

3928. Galveston cotton exchange building being demolished. Makes way for new structure; Ziegler remembers old one he helped build. Cotton Trade Jour. 19(44):8. Nov. 4, 1939. (Published at 810 Union St., New Orleans, La.) 72.8 C8214

3929. Harrington, Ernest S. Ask U.S. shippers adopt safeguards in foreign trade. Limiting of competition is sought as way to sounder financing. Cotton Trade Jour. 19(45):1,8. Nov. 11, 1939. (Published at 810 Union St., New Orleans, La.) 72.8 C8214
"Consultations were in progress this week between leading shippers with a view to agreement on sounder financing of overseas shipments of cotton."

3930. Jamieson, Edward. Cotton. Cotton Trade Jour. 19 (45):1,5. Nov. 11, 1939. (Published at 810 Union St., New Orleans, La.) 72.8 C8214
The author comments on announcement of the 1939 cotton loan program.

3931. New government cotton loan announced. Loan rate to vary from 8.70 to 8.90 based upon location differentials. Full loan rate available only to cooperative cotton producers who have not over-planted in 1939. Tex. Co-op. News 19(11):1,4. Nov. 15, 1939. (Published by Texas Co-operative Publishing Co., Inc., 1100 South Ervay St., Dallas, Tex.) 72.9 T315F

3932. New York to ship Texas fiber abroad. Two cargoes headed here for Europe. Jour. Com. [New York] 182(14081):16. Nov. 15, 1939. (Published at 63 Park Row, New York, N.Y.) 286.8 J32

3933. Observer. Middling 7-8 loan level, 10-market average, is 8.74. Average 44 points higher than base rate, is 55 percent of parity. Cotton Trade Jour. 19(46):1,7. Nov. 18, 1939. (Published at 810 Union St., New Orleans, La.) 72.8 C8214

3934. Officials announce cotton loan. Cotton Digest 12(6):4. Nov. 11, 1939. (Published at 710 Cotton Exchange Bldg., Houston, Tex.) 286.82 C822
"The loan rate was set at the same level as last year, or 8.30 cents per pound basis middling 7/8 in. staple, but a 40 point allowance is provided for tare, making the loan rate on the actual cotton in the bale 8.70 cents per pound." Table shows premiums and discounts for grade and staple.

3935. The reason for the new loan. Cotton Digest 12(8):3. Nov. 25, 1939. (Published at 710 Cotton Exchange Bldg., Houston, Tex.) 286.82 C822
From Journal of Commerce.

3936. Ship shortage looms, cotton to miss boats. Diversion of American shipping under terms of pending neutrality legislation is major factor in apprehension. Cotton Trade Jour. 19(44):1,8. Nov. 4, 1939. (Published at 810 Union St., New Orleans, La.) 72.8 C8214

3937. Shippers seek barter cotton's space. Cotton Digest 12(8):4. Nov. 25, 1939. (Published at 710 Cotton Exchange Bldg., Houston, Tex.) 286.82 C822
"It has been proposed that the British government in cooperation with the United States Government give up a certain amount of the space

on ships chartered to carry barter cotton to Europe so that exporters might move some of the cotton to Europe, which has been sold for consumption."

3938. Simmons, Milton. Hits government cotton classing technique, prefers trade method. Classer, basing case on Betts report, sets forth trade's procedure. Cotton Trade Jour. 19(45):1,3. Nov.11, 1939. (Published at 810 Union St., New Orleans, La.) 72.8 C8214

3939. Warehouses face new problems as loan is ordered. Much heavier drift to ports expected than in loans of other years. Cotton Trade Jour. 19 (45):3. Nov.11,1939. (Published at 810 Union St., New Orleans, La.) 72.8 C8214

3940. Well sirs! Another loan! Cotton Trade Jour. 19 (45):2. Nov.11,1939. (Published at 810 Union St., New Orleans, La.) 72.8 C8214
Editorial.

See also Items nos. 3945, 4057, 4058.

Marketing Costs

3941. Cairo government to write war risk on cotton stocks. Cotton Trade Jour. 19(45):6. Nov.11,1939. (Published at 810 Union St., New Orleans, La.) 72.8 C8214

"The Egyptian Minister of Finance has announced that the Government will insure the entire cotton crop, including the stocks of cotton in Alexandria and in the interior against war risk."

3942. Neutrality law changes create shipping problems. Cotton Digest 12(6):8. Nov.11,1939. (Published at 710 Cotton Exchange Bldg., Houston, Tex.) 286.82 C822
Editorial estimating the cost if it becomes necessary to export cotton from Atlantic ports.

3943. N.O. public cotton warehouse blast fired by Merritt. Cotton Trade Jour. 19(47):1,3. Nov.25,1939. (Published at 810 Union St., New Orleans, La.) 72.8 C8214

Report of a radio address by C.L. Merritt on the cost of operating the Public Cotton Warehouse, in New Orleans.

3944. Ocean rates extended for month. Cotton Digest 12(5):9. Nov. 4, 1939. (Published at 710 Cotton Exchange Bldg., Houston, Tex.) 286.82 C822

3945. Warehousing. Commodity credit cuts rate on loan cotton for big saving. Amer. Cotton Grower 5(6):3. November 1939. (Published at 535 Gravier St., New Orleans, La.) 72.8 Am32
Also noted in Delta Council News 1(3):1, 4. Nov. 10, 1939.

Cooperation in Marketing

3946. Who's to sell our cotton? Prog. Farmer (Tex. ed.) 54(12):7. December 1939. (Published at 1105 Southland Life Annex, Dallas, Tex.) 6 T311

Editorial stating that "it didn't just happen that the trade is now handling cotton for a small fraction of what it formerly charged. It came about as a result of the competition of the cotton co-ops."

See also Item no. 3904.

UTILIZATION

Fiber, Yarn and Fabric Quality

3947. American society for testing materials. Committee D-13 on textile materials. A.S.T.M. standards on textile materials...specifications, tolerances, methods of testing, definitions and terms. 324pp. Philadelphia, 1939. 304 Am32Am

3948. Bossuyt, V. Essais de traction sur les fibres textiles élémentaires. Revue Générale des Matières Colorantes 43(507):121-124. April 1939. (Published at Élysée-Building, 56, Faubourg Saint-Honoré, Paris, France) Patent Off.

Tension tests on elementary textile fibers. "The tests were made with the assistance of a Chevenard micromachine which permits the registry of a diagram by photographic methods. These graphs are shown respecting raw and boiled flax, hemp cotton, mercerized and natural ramie, and lanital, in dry and humid atms. In some cases hysteresis is depicted. Changes of elastic or plastic deformations, resulting from chem. and mech. treatments of the original fibers, can be followed very closely.-Halsey E. Silliman."-Chem. Abs. 33(14):5665. July 20, 1939.

3949. [British standards institution] Textile divisional council inaugural meeting 5th October 1939. Textile Inst. Jour. 30(10):S17-S21. October 1939. (Published at 16 St. Mary's Parsonage, Manchester, 3, Eng.) 73.9 T31
Plans for the preparation of textile standards in Great Britain were considered.

3950. Campbell, Malcolm E. Preliminary report of cotton spinning and related fiber studies, in connection with the regional variety series, crops of 1935 and 1936. 26pp., processed. Washington, U.S. Department of agriculture, Agricultural marketing service, 1939.
Address at meeting of American Society of Agronomy, New Orleans, La., Nov. 23, 1939.
Charts show, by variety and by location, the weighted average skein strength of 22s yarn, and the fiber strength, length, fineness and immaturity, for each of the two crop years. Tire cord strength and grade and percentage of waste by variety and by location are also shown.
Extracts in Cotton Trade Jour. 19(48):1,3. Dec. 2, 1939.

3951. "Can textile testing be standardized?"--an answer. Cotton [Atlanta] 103(11):103-104. November 1939. (Published by W.R.C. Smith Publishing Co., Grant Bldg., Atlanta, Ga.) 304.8 C823

3952. Champetier, G. Les applications de la diffraction des rayons X a l'étude des fibres textiles. Technique Moderne 29(24):809-815. Dec. 15, 1937. (Published at 92, Rue Bonaparte, Paris (6^e) France) L.C.
Footnote references.
The application of x-ray diffraction to studies of textile fibers.
"Methods have been developed to distinguish between, and to detect admixts. of fibers of cotton, wool, mercerized material and various substituted products. Gelatinization, and alterations in the polypeptide linkages are assocd. with changes in distance between the nuclei, often related to changes in equil. between keratin a and keratin b.-James C. Munch."-Chem. Abs. 32(14):5633. July 20, 1938.

3953. Coven, W. Some principles of drying. Soc. Dyers and Colourists, Jour. 55(6):290-302. June 1939. (Published at Ocean Chambers, 32/34 Piccadilly, Bradford, Eng.) 306.9 Sol

Bibliography, pp.301-302.

Address at meeting of Society of Dyers and Colourists, Manchester, England, on November 18th, 1938.

"A concise review is given of the principles of drying, under the headings (1) the boundary layer, (2) the psychrometric chart, (3) regain or moisture content, and (4) the time curve, (a) constant rate period, (b) falling rate period. The boundary layer theorem and the rate of drying when the operation is controlled by the movement of the liquid through the solid are treated mathematically in appendices, and there is a useful, classified bibliography...-C."- Brit. Cotton Indus. Res. Assoc., Summary of Current Lit. 19(17):485. Sept. 15, 1939.

3954. Day, Emily L. Electrical properties of cotton, some references to the literature, 1931-date.

U.S. Dept. Agr. Bur. Agr. Econ. Econ. Libr. List no. 7, 3pp., processed. Washington. 1939.

3955. De la torsion. Revue Textile 36(11):539, 541, 543, 545, 547, 549. November 1939. (Published at 61, Avenue Jean-Jaurès, Paris (XIX^e) France)

304.8 R32

Yarn twist.

"Two theories of twist proposed respectively by Gegauff and Müller, are explained. The first maintains that twist does not fatigue the fibres and that elasticity increases with twist, the other affirms that, beyond a certain limit, increasing twist fatigues the fibres and even causes them to break, and that elasticity diminishes with increasing twist since it is a minimum in fine yarns at the critical twist. Each author claims that practical results are in agreement with his theory.-C."-Textile Inst. Jour. 30(3):A188. Mar. 1939.

3956. Haller, R. Reasons for the changes of the strength of textile fibers. Chem. Abs. 33(9):3592. May 10, 1939. (Published by American Chemical Society, Mills Bldg., Washington, D.C.)

381 Am33C

From Bull. Fédération Intern. Assoc. Chim.

Textile Couleur 3, 137. 1938.

"Oxidized cotton fiber, hydrolyzed jute fiber, oxidized and hydrolyzed viscose, and oxidized and hydrolyzed regenerated cellulose acetate were exand. microscopically. The effect of I-KI, H_2SO_4 , NaOH, Cl water and H_2O_2 on these fibers was studied. Native cotton is less uniformly constituted than regenerated cellulose; cotton certainly posesses a lamellar structure. Oxidizing agents decrease the strength of vegetable fibers by weakening the attractive forces between the micelles owing to a chem. alteration of one of the species present. Acid hydrolysis strongly modifies all the micelles suppressing the adhesive forces between them. The concenctions of cellulose structure by Weisner and by Nageli explain the exptl. results better than those of Frey-Wyssling."-J.E. Smith.

3957. Hays, Margaret B. Applied physics in the Bureau of home economics. Jour. Appl. Physics 10(8): 537-542. August 1939. (Published at Prince and Lemon Sts., Lancaster, Pa.) 334.8 P563
References, p.542.

"The U.S. Bureau of Home Economics includes a division where the strength (breaking and bursting), stiffness, thickness, thermal qualities, air permeability, resistance to abrasion, fastness to light and washing, and surface reflectance of fabrics are determined. Photographs of some of the apparatus used are given.-C."- Brit. Cotton Indus. Res. Assoc., Summary of Current Lit. 19(20):598. Nov.1,1939.

3958. Konditionierung der textilen rohstoffe und gespinste. Monatschrift für Textil Industrie 54(7):188-194. July 1939. (Published by Theodor Martins Textilverlag, Dörrienstrasse 9, Leipzig C 1, Germany) 304.8 L53

Conditioning of textile fibers and yarns.

"Details are given of the revised German tentative standard methods for the conditioning of textile fibres and yarns, the determination of commercial weights and the determination of yarn counts, published in DIN DVM 3821, Entwurf 2. A chart for recording the results of tests on yarns is reproduced.-C."-Brit. Cotton Indus. Res. Assoc., Summary of Current Lit. 19(19):555. Oct.15,1939.

3959. Kratky, O. The network structure of cellulose. Silk & Rayon 13(6):480, 482. June 1939. (Published at 49 Deansgate, Manchester, 3, Eng.) 304.8 Si32
 Footnote references.
 To be continued.
 "A concise account is given of the evidence for the conception of a network of micelles in cellulose and regenerated cellulose filaments.-C."-Brit. Cotton Indus. Res. Assoc., Summary of Current Lit. 19(17):500. Sept. 15, 1939.

3960. McLean, D.A., and Footen, L.A. Cation exchange in cellulosic materials. Indus. and Engin. Chem. (Indus. ed.) 31(9):1138-1143. September 1939. (Published by American Chemical Society, Mills Bldg., Washington, D.C.) 381 J825
 Literature cited, p.1143.
 "The results of experiments on cation exchange in cellulosic materials (cotton, jute, hemp, pulp, paper) are presented and discussed. The methods used were the colorimetric determination of the reduction of acidity of a dilute acid in contact with the cellulosic material and the potentiometric titration of a pulped sample with acid or alkali. The latter methods were used to prove that there is no anion exchange comparable in magnitude with the cation exchange. The concepts of ionic exchange appear to explain satisfactorily a number of the phenomena observed, e.g. the tenacity with which cellulosic fibres retain the last traces of ash constituents...-C."-Brit. Cotton Indus. Res. Assoc., Summary of Current Lit. 19(20):591. Nov. 1, 1939.

3961. The mildew trouble in textiles. What it is and how to counteract it. Textile Weekly 24(607): 457-458. Oct. 20, 1939. (Published at 49, Deansgate, Manchester, 3, Eng.) 304.8 T3127
 To be continued.

3962. Milone, Mario and Grandis, Edoardo. Di un nuovo metodo di determinazione dell'umidità nei materiali cellulosici. Annali di Chimica Applicata 29(3):130-134. March 1939. (Published at Via Quattro Novembre, 154, Rome (101) Italy) 385 An7
 Footnote references.
 A new method of determining moisture in cellulosic materials.
 "A method of determining moisture in cellu-

losic material is described, which consists essentially of observing the depression in the f.p. on the introduction of about 0.5 gm. of cotton, rayon or filter-paper into about 50 gm. of trichloroacetic acid, purified by distillation in vacu.-C."-Brit. Cotton Indus. Res. Assoc., Summary of Current Lit. 19(19):554. Oct. 16, 1939.

3963. Morozov, A.A., and Milinskaya, G.V. Physicochemical action of short and ultrashort waves. II. The cotton drying in the field of the short wave condenser. Chem. Abs. 33(14):5648-5649. July 20, 1939. (Published by American Chemical Society, Mills Bldg., Washington, D.C.)
381 Am33C

From Jour. Applied Chem. (U.S.S.R.) 11, 1675-85. 1938.

"Cotton is more intensively dried in fields of 10.7 and 14.85-m. waves than in a thermostat at 100-105°. The yellow coloration of cellulose material observed in drying at above 100° was not observed in drying by the short-wave method. The viscosity of 1% cuprammonium soln. of cellulose is decreased much less on drying by the short-wave method than on thermal drying."-A.A. Podgorny.

3964. Morozov, A.A., and Rabkin, M.A. X-ray diffraction study of cotton fibre. I. X-ray diffraction study of cottons of different strength. Colloid Jour. 5(1-2):135-141. 1939. (Published by Institut Colloidnoi Chimii, Pochtovoje Otdelenie SHI. Gos. Nauchnoissledovat, Veronezh, U.S.S.R.)
385 K83

References, p.141.

In Russian.

3965. Morton, T.E., and Williamson, R. The influence of varying warp tension on some physical properties of plain cotton cloth. Textile Inst. Jour. 30 (10):T137-T156. October 1939. (Published at 16 St. Mary's Parsonage, Manchester, 3, Eng.)
73.9 T31

References, p.T156.

3966. Moryganov, P.V., and Vlasyuk, E.I. Chemically modified cotton: iodimetric test. Textile Inst. Jour. 30(6):A407. June 1939. (Published at

16 St. Mary's Parsonage, Manchester, 3, Eng.)
73.9 T31

From Jour. Appl. Chem. U.S.S.R., 1938, 11,
711-718.

"(1) An iodimetric test is as follows--4 gm. of cotton is refluxed with 100 cc. of 1 per cent. caustic soda for 1 hour, cooled and filtered; 32 cc. of the filtrate is mixed with 10 cc. of 0.05 N iodine in 50 cc. of water; after 20 minutes the solution is acidified with 20 cc. of 2 per cent. hydrochloric acid, and unchanged iodine is titrated with 0.05 N thiosulphate.-C."

3967. Potere coibente delle fibre, lana--lanital--cisalfa--fiocco di raion--cotone. Bollettino della Associazione Italiana di Chimica Tessile e Coloristica 15(6-7):81-86. June-July 1939. (Published at Via Manzoni, 46, Milano, Italy) 306.8 As7

Thermal conductivity of the fibers, wool--lanital--cisalfa--staple fiber--cotton.

"The thermal insulating power of various yarns has been compared by wrapping them round a copper cylinder containing warm water and observing the rate at which the temperature falls... If the value for the conductivity of wool is taken as 100, the other values are Lanital 111, Cisalfa 165, staple fibre (Superlena) 198 and cotton 235.-C"-Brit. Cotton Indus. Res. Assoc., Summary of Current Lit. 19(19):554-555. Oct. 16, 1939.

3968. Rideal, Eric K. Polymerization and its bearing on the production of new synthetic fibres and finishes for textile fibres. Textile Weekly 23(588):755-756. June 9, 1939. (Published at 49, Deansgate, Manchester, 3, England)
304.8 T3127

Abstract from the Mather Lecture at the Textile Institute Annual Conference, June 2, 1939.

Also in Textile Recorder 57(675):21-22. June 6, 1939; Textile Manfr. 65(774):246-247. June 1939; Textile Mercury and Argus 100(2620):729, 731. June 9, 1939.

3969. Robinson, Carl H. Comparative quality--American cotton spinning utility. Cotton Digest 12(5): 3, 20-22. Nov. 4, 1939. (Published at 710 Cotton Exchange Bldg., Houston, Tex.) 286.82 C822

"Information on the comparative spinning utility of American and foreign cottons is still in the 'guesstimating stage'. Accurate, complete,

scientific information on cotton quality generally is none too plentiful, but as to the relative merits of different growths of cotton there is a dearth of dependable significant data." The author summarizes what is known on the subject.

3970. Saxl, Erwin J. Physical testing in the textile industry. Amer. Dyestuff Repr. 28(21):P615-P618. Oct. 16, 1939. (Published by Howes Publishing Co., Inc., 440 Fourth Ave., New York, N.Y.) 306.8 Am3

Bibliography, p.P618.

Address at meeting of Rhode Island section, American Association of Textile Chemists and Colorists, February 24, 1939.

3971. Schieber, Walther. Die Verteilung der Kettenlängen in der Cellulose. Papier-Fabrikant 37(30):Tech.-Wiss. Teil 245-250. July 21, 1939. (Published at Oranienstrasse 140/142, Berlin S 42, Germany) 302.8 Pl97

Chain-length distribution in cellulose.

"The following method is employed in the laboratories of the Thüringischer Zellwolle A.-G. Schwarza to ascertain the chain-length distribution in celluloses and staple fibre. The material is treated at 18° C. for an hour with a mixture of phosphoric acid, phosphorus pentoxide and fuming nitric acid, and the product is drained in a centrifuge and neutralised by soda solution. It is then fractionally extracted with mixtures of alcohol and ethyl acetate, increasing in the proportion of the latter solvent, and the residue weighed at each extraction. Nickel gauze is recommended for the filtration. The degree of polymerisation of each fraction is then derived from the viscosity by Staudinger's rule. [No details are given.] Applications of the test are illustrated by a number of examples, in which, as a rule, degrees of polymerisation are plotted against the amounts of the corresponding fractions. Such chain-length distribution diagrams are given for Schwarza and other staple fibres, cotton linters, and various pulps. The comparative freedom of linters from the low polymerides is emphasized...-C.-Brit. Cotton Indus. Res. Assoc., Summary of Current Lit. 19(20):591. Nov. 1, 1939.

3972. Skinkle, John H. Physical and chemical textile testing--XVII. Part III--Microscopical testing. Chapter 17--Determination of quality, damage, and quantitative analysis. *Amer. Dyestuff Repr.* 28(19):553-554, 571-572. Sept. 18, 1939. (Published by Howes Publishing Co., Inc., 440 Fourth Ave., New York, N.Y.) 306.8 Am3
Includes maturity, mercerization and damage of cotton.

3973. Society of dyers and colourists. Chemistry and properties of cellulose. *Textile Manfr.* 65 (778):455-457. October 1939. (Published by Emmott & Co., Ltd., 31 King St. West, Manchester, 3, Eng.) 304.8 T3126
"A symposium on 'The Chemistry and Properties of Cellulose' had been arranged to be held on September 21 and 22, 1939, in Manchester, but in view of the war it has been postponed indefinitely." Brief summaries of the papers are given.

3974. Spooner, T.W. Textile drying machinery. *Soc. Dyers and Colourists, Jour.* 55(6):303-308. June 1939. (Published at Ocean Chambers, 32/34 Piccadilly, Bradford, Eng.) 306.9 Sol
Address at meeting of Society of Dyers and Colourists, Manchester, England, November 18, 1938.
"The principles of the construction of textile drying machines are illustrated by reference to Spooner, Dalglish and Weisbach machines.-C."- *Brit. Cotton Indus. Res. Assoc., Summary of Current Lit.* 19(17):485. Sept. 15, 1939.

3975. Standardization in textiles. British standards institution set up textile divisional council. Another step forward in Textile institute's scheme. *Textile Weekly* 24(608):478. Oct. 27, 1939. (Published at 49, Deansgate, Manchester, 3, Eng.) 304.8 T3127

3976. Staudinger, H. Über makromolekulare Verbindungen. 226 Mitteilung. Über natürliche und synthetische Fasern. *Melliand Textilberichte* 20(9):631-635. September 1939. (Published at Heidelberg, Germany) 304.8 T312
Footnote references.
Macromolecular compounds. Part 226. Concerning natural and synthetic fibers.

3977. Stühmer, G. Microscopic fibre investigations, (abstract). Textile Research 9(12):462-463. October 1939. (Published by U.S. Institute for Textile Research, 65 Franklin St., Boston, Mass.) 304.8 T293
 From Deut. Textilwirt. 5(20):26-28; (22): 22-24. 1938.
 "Faults due to fibre damage in (1) cotton, staple fibre and cotton-staple fibre fabrics and (2) wool carpet yarn are detected by microscopic examination in conjunction with simple chemical methods. Photomicrographs are given. In the wool carpet yarn, alkali damage is detected by Allwörden's reaction and acid damage by the Krais-Markert-Viertel reaction.-C."

3978. Webb, Robert W. Nature and scope of cotton fiber, ginning, and spinning researches. 24pp., processed. Washington, U.S. Department of agriculture, Agricultural marketing service, 1939.
 Address at meeting of American Society of Agronomy, New Orleans, La., Nov. 22, 1939.

3979. Wiernsberger, J. Estimation de la résistance des filés de coton en fonction de leur résistance théorique. Industrie Textile 56(635):164-165; (637):270-271. April, June 1939. (Published at 171, Rue du Faub. Poissonnière, Paris (IX^e) France) L.C.
 Estimate of the strength of cotton yarns as a function of their theoretical strength.
 "An equation is deduced for the maximum theoretical strength of a cotton yarn and it is pointed out that actual mean strengths of cotton yarns made from Sakel, American and Indian cottons should reach 0.85, 0.6 and 0.5, respectively, of the theoretical values under specified conditions of twist, etc. The ratio of minimum to mean strength, and the regularity of strength expressed by the ratio of sub-mean to mean-strength are discussed and data are given for various types of yarns.-C."-Brit. Cotton Indus. Research Assoc., Summary of Current Lit. 19(19):554. Oct. 16, 1939.

See also Items nos. 3779, 3786, 3818, 4060, 4074, 4090, 4094, 4097.

Technology of Manufacture

3980. Card-sliver tests. *Textile World* 89(12):142. November 1939. (Published by McGraw-Hill Publishing Co., Inc., 330 West 42nd St., New York, N.Y.) 304.8 T315

3981. Les étirages à un manchon. *Revue Textile* 36(4): 183, 185, 187. April 1938. (Published at 61, Avenue Jean-Jaurès, Paris, (XIX^e) France) 304.8 R32
 To be continued.
 Endless band drafting systems.
 "A review of drafting systems employing endless belts or bands.-C."-*Textile Inst. Jour.* 30(7):A452. July 1939.

3982. How to prevent uneven yarn. *Textile Bull.* 57(4): 22, 50-54. Oct. 15, 1939. (Published by Clark Publishing Co., 218 West Morehead St., Charlotte, N.C.) 304.8 So82
 Number 31, by J.D.; number 32, by W.E.; number 33, by T.C.D.

3983. How to prevent uneven yarn. *Textile Bull.* 57(5): 14, 39. Nov. 1, 1939. (Published by Clark Publishing Co., 218 West Morehead St., Charlotte, N.C.) 304.8 So82
 Number 34, by Josh; number 35, by Roamer.

3984. Johannsen, O. Über alte und neue speiseregler und ihre genauigkeit. *Melliand Textilberichte* 20(8):551-554. August 1939. (Published at Heidelberg, Germany) 304.8 T312
 Old and new feed regulators and their precision.
 "Various old and new types of feed regulator are briefly described and shown in diagrams, defects and advantages are discussed, and data showing the lap regularities attainable are given.-C."-*Brit. Cotton Indus. Res. Assoc., Summary of Current Lit.* 19(20):573. Nov. 1, 1939.

3985. Krauter, G. Neuerungen an streckwerken. *Melliand Textilberichte* 20(8):554-559. August 1939.
 (Published at Heidelberg, Germany) 304.8 T312
 Innovations in drafting mechanisms.
 "The author presents a study of top rollers with fixed and with rotating axes and the advan-

tages of the latter type, the forces acting on top rollers, a pendulum top roller arrangement and its application to Casablancas and other drafting systems, and the use of smooth bottom rollers.-C."-Brit. Cotton Indus. Res. Assoc., Summary of Current Lit. 19(20):574. Nov.1,1939.

3986. Noguera, J. High draft spinning. Details of recent Casablancas developments. Textile Weekly 24(609):510-511. Nov.3,1939. (Published at 49, Deansgate, Manchester, 3, Eng.) 304.8 T3127
Lecture to the members of the Rochdale Cotton Spinning Mutual Improvement Society.

3987. Pratt, Horace L. Spinning room practice. Article 6. Cotton [Atlanta] 103(11):68-71. November 1939. (Published by W.R.C. Smith Publishing Co., Grant Bldg., Atlanta, Ga.) 304.8 C823

3988. Saco-Lowell shops. The type "N" full-bobbin stop motion for roving frames. A refinement in roving frames which assures exactness in size and yardage of bobbins. Saco-Lowell Bull. 11(2):20-22. June 1939. (Published at 60 Batterymarch St., Boston, Mass.) 304.8 Sal
"A detailed description is given of the type N full-bobbin stop motion, which is based upon the theory that, since roving made on Saco-Lowell controlled-draft roving frames is free from abnormal variations, the diameter of the bobbin will vary with the actual number of layers placed during a set, and, under identical operating conditions, a given number of layers will result in yardages which are, for all practical purposes, identical.-C."-Brit. Cotton Indus. Res. Assoc., Summary of Current Lit. 19(20):574. Nov.1,1939.

3989. Schmalfuss, Gottlob. Produktionsberechnung in der baumwollspinnerei unter besonderer berücksichtigung des wirkungsgrades. Klepzig's Textil-Zeitschrift 42(12):199-203. Mar.22,1939. (Published by Verlag L.A. Klepzig, Taubchenweg 23, Leipzig C 1, Germany) Bur. Stand.
Production determinations in cotton spinning with special reference to efficiencies.
"Methods of determining productions and efficiencies are explained and illustrated by examples of applications to ring and mule spinning machines. Examination of the number and causes of machine stoppages is recommended and

causes of differences between practical and theoretical productions are briefly discussed.- C."-Textile Research 10(1):28. November 1939.

3990. Sliver variation only 11%. Textile World 89(12): 114. November 1939. (Published by McGraw-Hill Publishing Co., Inc., 330 West 42nd St., New York, N.Y.) 304.8 T315

Experience of a mill is described.

3991. [Southern textile association. Piedmont division.] Discussion on carding and spinning problems. Textile Bull. 57(4):18-19,34-36. Oct.15,1939. (Published by Clark Publishing Co., 218 West Morehead St., Charlotte, N.C.) 304.8 So82

Meeting at Charlotte, N.C., October 7,1939.

3992. [Textile operating executives of Georgia] Georgia operating executives discuss weaving and slashing at Atlanta meeting. Textile Bull. 57(4): 20,44. Oct.15,1939. (Published by Clark Publishing Co., 218 West Morehead St., Charlotte, N.C.) 304.8 So82

Meeting at Atlanta, Ga., September 23,1939.

See also Items nos. 3955, 3965, 4093, 4098.

Technology of Consumption

3993. Claims for new cotton cord constructions. "Low-stretch" or stretchless cords for motor tyres or rubberised belting, etc., are being made by alternative methods on new principles. Textile Manfr. 65(778):430,460. October 1939. (Published by Emmott & Co., Ltd., 31 King St., West, Manchester, 3, Eng.) 304.8 T3126

3994. Cotton and mud go into houses. It's all part of government's effort to use native materials in low-cost rural housing. Contracts let for 2,784 homes at average of \$1,474. Business Week no.530, pp.20-21. Oct.28,1939. (Published by McGraw-Hill Publishing Co., Inc., 330 West 42nd St., New York, N.Y.) 280.8 Sy8

3995. Foley, M.A. Use of flocks in the rubber industry.
1. Cotton flock as a filler. Rubber Age 45(6): 339-340. September 1939. (Published at 250 West 57th St., New York, N.Y.) 305.8 R82

"The definition of flocks...has changed in

recent years, and it has come to mean a cut fibre, not necessarily wool as in the past, but cotton, rayon and miscellaneous fibres as well. The new type of flocks is distinguished particularly from the old in that it is manufactured for a definite purpose as a cut fibre in the rubber and plastics and other industries."

3996. Home made mattresses. Bedding Manfr. 37(4):33-36. November 1939. (Published by the Better Bedding Alliance of America, 608 S. Dearborn St., Chicago, Ill.) 309.8 E39

The southern states which are encouraging use of surplus cotton in mattress making are noted, and instructions distributed in Tuscaloosa County, Ala. are reprinted.

3997. Milne, David T., and Cameron, Frank K. Pulping whole cotton with chlorine. Indus. and Engin. Chem. (Indus. ed.) 31(9):1076-1078. September 1939. (Published by American Chemical Society, Mills Bldg., Washington, D.C.) 381 J825

Literature cited, p.1078.

"Pulping experiments of whole cotton with chlorine, with and without alkaline pretreatment, and under varying conditions are described and the results are tabulated. Silica can readily be eliminated prior to pulping by careful washing at an early stage to remove the sand. Oils and waxes are readily removed by organic solvents. Carbon tetrachloride, however, is not a suitable solvent for this purpose. The results of the chlorination experiments seem to indicate that pulping of the whole cotton plant is not a practical or economical operation; the yield of alpha cellulose is low.-E.S."-Lawrence Col., Inst. Paper Chem. Bull. 10(2):49. October 1939.

3998. El Ministro de hacienda Dr. Groppo trasmitió al Congreso, la falta de interés de los industriales en fabricar bolsas de algodón. Gaceta Algodonera 16(188):1-2,4-5. Sept. 30, 1939. (Published at Reconquista 331, Buenos Aires, Argentina) 72.8 G11

The Secretary of the Treasury, Dr. Groppo, conveyed to the Congress the lack of interest of the industries in manufacturing cotton bags.

3999. Sherman, C.B. Research finds uses for more cotton. Better Crops with Plant Food 23(8):19-21, 46-47. October 1939. (Published by American Potash Institute, Inc., Investment Bldg., Washington, D.C.) 6 B46

4000. Taylor, Delia Ann, and Young, David H. Cotton stockings--why not? Results of some official American hosiery experiments. Textile Weekly 24(610):544. Nov. 10, 1939. (Published at 49, Deansgate, Manchester, 3, Eng.) 304.8 T3127 Experiments conducted by the U.S. Bureau of Home Economics are reported.

4001. Tell housewives how to make use of cotton bags. National cotton council initiates belt-wide publicity campaign. Cotton Trade Jour. 19 (44):1, 8. Nov. 4, 1939. (Published at 810 Union St., New Orleans, La.) 72.8 C8214

4002. 30,000 grocers in South to give out 3 million towels. National cotton council announces project involving retailers in 13 states in premium offer. Daily News Rec. no. 276, p.1. Nov. 25, 1939. (Published at 8 East 13th St., New York, N.Y.) 286.8 N48

See also Items nos. 3819, 3820, 3821, 3822, 3823, 3824, 3850, 3947, 3949, 4039.

COTTONSEED AND COTTONSEED PRODUCTS

4003. Adams, Roger, and Hunt, Madison. Structure of gossypol. XIX. Synthesis of 1,2-dihydroxy-3-isopropyl-6-benzoic acid. Amer. Chem. Soc., Jour. 61(5):1132-1133. May 1939. (Published at Mills Bldg., Washington, D.C.) 381 Am33J

4004. Burgess, John S., Jr. Crushing cottonseed cooperatively. U.S. Farm Credit Admin., Coop. Res. & Serv. Div. Circ. no. C-114, 27pp. Washington. 1939.
 "The purposes of the circular are (1) to point out certain definite conditions that should exist before the establishment of a cooperative cottonseed-oil mill; (2) to indicate the most desirable organizational structure to be adopted under various local conditions; and (3) to call attention to the more important operating poli-

cies and practices that contribute to success."

Extracts in Tex. Co-op. News 19(11):4. Nov. 15, 1939; Cotton Digest 12(8):10. Nov. 25, 1939.

4005. Cellulose extracted from cotton capsules. Jour.

Com. (New York) 182(14071):12. Nov. 1, 1939.

(Published at 63 Park Row, New York, N.Y.)

286.8 J82

A process developed in Brazil to "extract nearly 20 per cent of the cotton capsules' remainders in form of a white cellulose instead of only 10 per cent green linters with the Memphis machine" is noted.

4006. Cottonseed oil faces stiff competition. Barron's

19(35):6. Aug. 28, 1939. (Published at 44 Broad St., New York, N.Y.) 284.8 B27

The outlook for the production and consumption of cottonseed oil is discussed.

4007. Feed more cottonseed meal. Proj. Farmer (Ga.-Ala.-Fla. ed.) 54(11):25. November 1939. (Published at 821 North Nineteenth St., Birmingham, Ala.)

6 P945G

"Cottonseed meal is good not only for cattle, but for horses and mules as well."

4008. Hilditch, T.P., and Jasperson, H. The constitution

of the linoleic acid of seed fats. Soc. Chem. Indus., Jour. 58(7):233-241. July 1939. (Published at Clifton House, Euston Road, London, N.W.1, Eng.) 382 M31

Footnote references.

"The yields of crystalline tetrabromostearic acid, m.p. 114°, and of the various tetrahydroxy-stearic acids producible from natural linoleic acid of cottonseed oil, and from the isomeric varieties produced from this acid by chemical means, have been compared."

4009. Hoover, K.S., and Moore, H.E. Sodium bisulphite

as a stabilizer for hydrogenated cottonseed oil shortening. Oil and Soap 16(11):212-214.

November 1939. (Published by Gillette Publishing Co., 400 West Madison St., Chicago, Ill.)

307.8 J82

4010. How cotton seed prices are made. Oil Mill

Gazetteer 44(4 i.e.5):28. November 1939.

(Published at Wharton, Tex.) 307.8 O153

4011. Lard, cottonseed oil plans tangled by European war.
Oil, Paint and Drug Reptr. 136(11):3,41. Sept.11, 1939. (Published at 12 Gold St., New York, N.Y.) 306.8 Oi5
"With the world situation what it is, there is little possibility that prices for lard and cottonseed oil will drop back to the extremely low level at which the outbreak of hostilities found them."

4012. Means, Ray H. Cottonseed meal and cake for finishing mature steers on pasture. Miss. Agr. Expt. Sta. Bull.329, 10pp. State College. 1939. 100 M69

4013. Meloy, G.S. Variations in the composition and grade of cottonseed produced in the states of Alabama, Georgia, North Carolina, and South Carolina, crop years of 1934-35 to 1937-38. 28pp., processed. Washington, U.S. Department of agriculture, Agricultural marketing service, 1939.

4014. [National cottonseed products association.] Soybean oil use growing rapidly. Oil, Paint and Drug Reptr. 136(14):4. Oct.2,1939. (Published at 59 John St., New York, N.Y.) 306.8 Oi5
Use of cottonseed oil and soybean oil in margarine production, July, 1936-1939, is compared.

4015. National cottonseed products association, inc. Educational service. 1940 feeding practices. Natl. Cottonseed Products Assoc.; Educational Serv. Bull. 16, 48pp. Dallas. [1939]
Livestock rations including cottonseed meal or cake are given.

4016. Racicot, Phileas A., and Lythroe, Hermann C. Determination of urea in material used for filling in articles of bedding and upholstered furniture. Indus. and Engin. Chem. (Analyt. Ed.) 11(9):512-515. Sept.15,1939. (Published by American Chemical Society, Mills Bldg., Washington, D.C.) 381 J825
Literature cited, p.515.
Includes experiments with cottonseed, linters, and raw cotton.

4017. Rzhekhin, V., and Posonkina, N. [Determination of moisture in oil seeds by measuring their dielectric constants] *Maslobotno Zhirovoye Delo* 15(1): 16-18. January-February 1939. (Published at Moskva, U.S.S.R.) L.C. TPL .M3
In Russian.
"A review of literature with 5 references.- C.B."-*Chem. Abs.* 33(14):5688. July 20, 1939.

4018. Smith, F.H., and Halverson, J.O. Estimation of gossypol in crude cottonseed oil. *Indus. and Engin. Chem. (Analyt. Ed.)* 11(9):475. Sept. 15, 1939. (Published by American Chemical Society, Mills Bldg., Washington, D.C.) 381 J825

4019. Sweeping compound made of cottonseed. *Cotton Digest* 12(7):4. Nov. 18, 1939. (Published at 710 Cotton Exchange Bldg., Houston, Tex.) 286.82 C822

4020. Texas A. & M. college short course for oil mill operators, College Station, Texas, June 19-23, 1939. *Oil Mill Gazetteer* 44(4 i.e.5):13-26. November 1939. (Published at Tharton, Tex.) 307.8 Ci53
Summaries of linter and cottonseed cooking tests are included.

4021. Thomson, Procter. Variation in free fatty acid within a seed sample. *Oil and Soap* 16(11):221-223. November 1939. (Published by Gillette Publishing Co., 400 West Madison St., Chicago, Ill.) 307.8 J82
The American Oil Chemists' Society's cottonseed samples of the 1938-39 season were "analyzed by Edeler's method. The F.F.A. was determined on ten samples of ten seed each."

4022. U.S. Department of agriculture. The outlook for fats, oils, and oilseeds for 1940. 20pp., processed. Washington, 1939.
Prepared by the Bureau of Agricultural Economics and the Agricultural Marketing Service.
The cottonseed outlook for 1940, pp.5-7.
Also in *Fats and Oils Situation* no.33, p.9. Nov. 15, 1939; Cottonseed outlook also in *Cotton and Cotton Oil Press* 40(28):5-6. Nov. 25, 1939.

4023. Ward, A.L. A cottonseed meal ration. *South. Agr.* 69(11):38-39. November 1939. (Published at 1523 Broadway, Nashville, Tenn.) 6 So83

4024. Washburn, C.L. Cooking methods to lower refining loss. Oil Mill Gazetteer 44(4 i.e.5):6-8. November 1939. (Published at Tharton, Tex.) 307.8 0153

Address given before the meeting of the Tri-States Cottonseed Oil Mill Superintendents Association in Little Rock, Ark., November 4, 1939.

Experiences in refining cottonseed oil are reported.

4025. West, J.L. Lesions of gossypol poisoning in dogs fed cottonseed meal. Vet. Med. 34(10):603. October 1939. (Published at 7632 S. Crandon Ave., Chicago, Ill.) 41.8 M69

Abstract of paper presented at the 76th annual meeting of the American Veterinary Medical Association, Memphis, August 28-September 1, 1939.

See also Items nos. 3745, 3765, 3774, 3775, 3778, 3781, 3783, 3787, 3971, 4035, 4036, 4037, 4038, 4083, 4097, 4099.

LEGISLATION, REGULATION, AND ADJUDICATION

Legislation

4026. Big merchants; little merchants! Cotton Trade Jour. 19(46):2. Nov.18,1939. (Published at 810 Union St., New Orleans, La.) 72.8 C8214
Editorial on the effect of the United States cotton policy on trade with Great Britain.

4027. Burr, C.H. Financing--The domestic allotment plan. Cotton Digest 12(7):4. Nov.18,1939. (Published at 710 Cotton Exchange Bldg., Houston, Tex.) 286.82 C822

4028. Burr, C.H. How it works--The domestic allotment plan. Cotton Digest 12(6):5. Nov.11,1939. (Published at 710 Cotton Exchange Bldg., Houston, Tex.) 286.82 C822

4029. [Burr, C.H.] The solution--Domestic allotment plan. Cotton Digest 12(5):4,20. Nov.4,1939. (Published at 710 Cotton Exchange Bldg., Houston, Tex.) 286.82 C822

4030. Caldwell, T.J. Cotton and the tariff. Acco Press 17(11):10-12. November 1939. (Published by Anderson, Clayton & Co., Houston, Tex.) 6 Ac2
An address delivered before the Houston Agricultural Club, October 9, 1939, Houston, Texas.

4031. The cotton industry (reorganisation) bill. Cotton Manchester 45(2184):4. Oct. 28, 1939. (Published by the Manchester Cotton Assoc., Ltd., 411 Fourth Floor, Royal Exchange, Manchester, 2, Eng.) 304.8 C826
"The Cotton Industry (Reorganisation) (Postponement) Bill, which postpones the operation of the Cotton Industry (Reorganisation) Act, 1939, which should have come into operation on November 4th, and empowers the Board of Trade to fix the date of operation by Order or appoint different dates for the coming into operation of the different provisions" has reached its second reading in the House of Lords.

4032. Cotton program must continue. South. Agr. 69(11):3. November 1939. (Published at 1523 Broadway, Nashville, Tenn.) 6 So83
Editorial.

4033. Domestic allotment plan should be adopted. Cotton Digest 12(7):8. Nov. 18, 1939. (Published at 710 Cotton Exchange Bldg., Houston, Tex.) 286.82 C822
Editorial.

4034. Egyptian government aids cotton. Foreign Crops and Markets 39(19):423. Nov. 4, 1939. (Published by Office of Foreign Agricultural Relations, U.S. Department of Agriculture, Washington, D.C.) 1.9 St2F
Three decree laws which became effective October 25, 1939 are noted.
Also in Cotton Digest 12(6):5. Nov. 11, 1939.

4035. Margarine taxes should be killed. Cotton Digest 12(5):6. Nov. 4, 1939. (Published at 710 Cotton Exchange Bldg., Houston, Tex.) 286.82 C822
Editorial.

4036. National cotton council asks U.S. margarine tax cut. Cotton Trade Jour. 19(44):1. Nov. 4, 1939. (Published at 810 Union St., New Orleans, La.) 72.8 C8214

4037. Reciprocity or retaliation. Amer. Cotton Grower 5(6):4. November 1939. (Published at 535 Gravier St., New Orleans, La.) 72.8 Am32 Editorial on the Wisconsin oleomargarine law.

4038. Soap fats subsidies opposed by industries. Oil, Paint and Drug Reptr. 136(10):3,43. Sept. 4, 1939. (Published at 12 Gold St., New York, N.Y.) 306.8 Oi5 "Proposals for subsidizing lard and cottonseed oil, now under consideration in the Department of Agriculture, have aroused protests from both soap manufacturers and tallow and grease interests."

4039. Texans announce rules on cotton prize of \$10,000. Rules and regulations and interpretations of laws are made public. Cotton Trade Jour. 19 (45):3. Nov. 11, 1939. (Published at 810 Union St., New Orleans, La.) 72.8 C8214

See also Items nos. 3811, 3942.

Regulation

4040. Ban on option dealings in cotton. Legislation likely if evil continues. Financ. News 7(38):17. Sept. 30, 1939. (Published at Yusuf Bldg., 43, Esplanade Road, Fort, Bombay, India) 286.8 F496 "The Governor of Bombay has issued an Ordinance prohibiting all option dealings in cotton throughout the province."

4041. The cotton board. First month's activities. Problems of price control. Manchester Chamber of Com. Monthly Rec. 50(10):447-448. Oct. 31, 1939. (Published at Ship Canal House, King St., Manchester, 2, Eng.) 287 M31

4042. The cotton control referendum. Cotton Digest 12(8):11,14. Nov. 25, 1939. (Published at 710 Cotton Exchange Bldg., Houston, Tex.) 286.82 C822 From Commercial Appeal. The referendum to be held December 9 is commented upon. Also in Jour. Com. (New York) 182(14085):4. Nov. 20, 1939.

4043. Cotton from India subject to license. Daily News Rec. no.258, p.6. Nov.3,1939. (Published at 8 East 13th St., New York, N.Y.) 286.8 N48
"Export of raw cotton from British India is now subject to license with varying treatment according to destination."

4044. Data cited to show "stamp plan" can be used to help cotton trade. Daily News Rec. no.251, p.17. Oct.26,1939. (Published at 8 East 13th St., New York, N.Y.) 286.8 N48

4045. Enforcement of quota provisions in Texas started. Investigations of violations launched by officials of the government. Tex. Co-op. News 19(11):1. Nov.15,1939. (Published by Texas Co-operative Publishing Co., Inc., 1100 South Ervay St., Dallas, Tex.) 72.9 T315F

4046. Indian cotton ginning and pressing factories rules, 1925: amendment. Cotton [Manchester] 45(2182):8. Oct.14,1939. (Published by the Manchester Cotton Assoc., Ltd., 411 Fourth Floor, Royal Exchange, Manchester, 2, Eng.) 304.8 C826
The amendment relates to the marking of bales.
Also in Indian Trade Jour. 134(1731):958. Aug.24,1939.

4047. Jan. 1 deadline on 1938 program. Deadline applies to original, supplemental and adjustment applications for payment. Tex. Co-op. News 19(11):1. Nov.15,1939. (Published by Texas Co-operative Publishing Co., Inc., 1100 South Ervay St., Dallas, Tex.) 72.9 T315F
"No extension of the January 1,1940 deadline for accepting applications for payment under the 1938 Agricultural Conservation Program can be made."

4048. N.Y. exchange holds limit unjustified on cotton trading. Jour. Com. [New York] 182(14086):1,14. Nov.21,1939. (Published at 63 Park Row, New York, N.Y.) 286.8 J82
"Imposition of limits on trading in cotton were held unjustified upon the basis of evidence produced at recent hearings in New York before the Commodities Exchange Administration in briefs filed today with the administration by the New York Cotton Exchange and American Cotton Shippers' Association."
Also in Cotton Digest 12(8):9,13. Nov.25,1939.

4049. El P. Ejecutivo de la Nación dictó un decreto que lleva el N.º 37.841, para la lucha integral contra la "Lagarta rosada". *Gaceta Alfonso* 16(188):21-24. Sept. 30, 1939. (Published at Reconquista 331, Buenos Aires, Argentina) 72.8 G11

The president of the Nation issued a decree numbered 37,841, concerning the whole fight against the pink bollworm.

4050. Pink bollworm quarantine. *Farm and Ranch* 58(11): 13. November 1939. (Published at 3306 Main St., Dallas, Tex.) 6 T31

"Thirty-nine Texas counties and parts of two others, and twelve counties in New Mexico are under quarantine on account of the pink boll worm." The counties are listed.

4051. United Kingdom. Apparel or other manufactures of cotton, wool, silk, rayon, or linen temporarily prohibited importation from non-empire countries except France. *Com. Ppts.* no.47, p.1092. Nov. 25, 1939. (Published by U.S. Bureau of Foreign and Domestic Commerce, Washington, D.C.) 157 C76D

4052. U.S. Department of agriculture. Agricultural adjustment administration. The farm program and cotton marketing quotas in 1940. 7pp. Washington, 1939. (40-Cotton-1) 1.42 C82

4053. U.S. Department of agriculture. Agricultural adjustment administration. Part 701--1940 agricultural conservation program. *Fed. Register* 4(229):4695-4698. Nov. 28, 1939. (Published by National Archives, Washington, D.C.) 169 F31 ACP-1940-1.

This amendment to the 1940 program includes the national goal for cotton acreage.

4054. U.S. Department of agriculture. Agricultural adjustment administration. Part 722--1939 county normal cotton yields. *Fed. Register* 4(229): 4693-4695. Nov. 28, 1939. (Published by National Archives, Washington, D.C.) 169 F31 Cotton 331.

4055. U.S. Department of agriculture. Bureau of entomology and plant quarantine. Modification of pink

bollworm quarantine regulations. Fed. Register 4(222):4591-4592. Nov. 16, 1939. (Published by National Archives, Washington, D.C.) 169 F31 BEPQ-Q52.

4056. U.S. Tariff commission. Cotton and cotton waste. Report to the President under section 22 of the Agricultural adjustment act of 1933 as amended. U.S. Tariff Comm. Rept. no.137, Ser.2, 51pp. Washington, U.S. Govt. print. off. 1939. 173 T17Rs

Partial contents: The changed position of the United States in world production, exports, stock, and consumption of cotton, pp.7-13; The present cotton program, pp.13-15; Imports prior to subsidy program, pp.15-17; Prices and imports under the subsidy program, pp.18-24; Cotton waste, pp.24-29; Basis of quota recommendations, pp.29-31; Proclamation by the President, pp.49-51.

4057. Wallace approves rail rule. Traffic World 64(19): 976. Nov.4, 1939. (Published at 413 S. Market St., Chicago, Ill.) 238.8 T672

"Approval of a railroad proposed cotton substitution rule has been given by Secretary of Agriculture Wallace in I. and S. No.4646, substitution, cotton in southwest... The proposed rule would authorize the substitution of truck, wagon, boat or barge cotton for uncompressed rail cotton originating within fifty miles at points in the southwest except at Louisiana and Texas points."

4058. Warehouse certificate and waiver different from that of last year. CCC loan document amended following experience of 1938-39 season. Cotton Trade Jour. 19(47):3. Nov. 25, 1939. (Published at 810 Union St., New Orleans, La.) 72.8 C8214
"Text of the 'Warehousemen's Certificate and Waiver' as now provided by the Commodity Credit Corporation" is given.

See also Items nos. 4039, 4064.

Adjudication

4059. First legal attack on wage-hour law. Stay orders against 32 1/2c granted in South--"age adjustments are made. Textile World 89(12):66-67. November 1939. (Published by McGraw-Hill Publishing Co., Inc., 330 West 42nd St., New York, N.Y.) 304.8 T315

MISCELLANEOUS--GENERAL

4060. Alexandria testing house. Report on the progress... since inauguration of the new humidity agreement in November 1938 and up to 30th June 1939. 46pp. Alexandria, A. Pisani, [1939] A description of the method of sampling hydraulic bales is included.

4061. Argentine Republic. Estación experimental algodonera de la Banda. La estación experimental y los problemas locales algodoneros. Gaceta Algodonera 16(188):31-32. Sept. 30, 1939. (Published at Reconquista 331, Buenos Aires, Argentina) 72.8 G11 The experiment station and the local cotton problems.

4062. Arizona. Agricultural experiment station. Forty-ninth annual report for the year ending June 30, 1938. 84pp. Tucson, 1939. 100 Ar4 Partial contents: Cotton production as affected by soil environment, pp. 29-30; Cotton breeding, pp. 62-65; Angular leaf spot of cotton, pp. 67-68; *Phymatotrichum* (Texas or cotton) root rot, pp. 68-69; *Verticillium* wilt, p. 70.

4063. Bee, J.M. The Nile and the cotton conference. Problem of acreage restriction. Gt. Brit. and the East 53(1468):52. July 13, 1939. (Published at 133/136, High Holborn, London, W.C.1, Eng.) 286.8 N27 The probable outcome of "the coming cotton conference in America" is discussed.

4064. Black, A.G. The American approach to world cotton problems. Cotton [Manchester] 45(2184): 16. Oct. 28, 1939. (Published by the Manchester Cotton Assoc., Ltd., 411 Fourth Floor, Royal Exchange, Manchester, 2, Eng.) 304.8 C826 To be continued. The United States cotton policy is discussed.

4065. Brazil. Ministério da agricultura. Trabalhos realizados em 1938. 520pp. Rio de Janeiro, Serviço de publicidade agrícola, 1939. 255.3 Ag8 Work accomplished in 1938. Partial contents: Algodão (cotton), pp. 71-74; Plantas texteis (textile plants), pp. 294-322.

4066. British Honduras. Department of agriculture. Report...for the year 1938. 33pp. [Belize, 1939] 8 B773
 "A small plot of West Indian Sea Island and Nigerian commercial cotton was planted at Corozal in September, 1937, and reaped in February, 1938. The Sea Island gave very encouraging results, and its flowers were selfed in order to provide pure seed for planting. On October 28, 1/4 acre was planted with the selfed seed, and an additional 1/2 acre was planted on December 2. The crop made excellent progress, flowering starting 60 days after planting."-Empire Cotton Growing Rev. 16(4):286. October 1939.

4067. Chambres d'agriculture d'Algerie. Session inter-departmentale des 8 et 9 Février 1939. Compte rendu des travaux et procès-verbaux des séances. 272pp. Alger, G. Cherry, 1939. 24 C35
 Interdepartmental session of February 8 and 9, 1939. Report of the papers and proceedings of the meetings.
 Le coton algérien (Algerian cotton), pp.52-53.

4068. Clark, David. Three menaces to improved human relationships. Textile Bull. 57(5):5-7, 40-47. Nov. 1, 1939. (Published by Clark Publishing Co., 218 West Morehead St., Charlotte, N.C.) 304.8 So82
 Address delivered at National Safety Congress, Atlantic City, N.J., October 19, 1939.
 A brief survey of the history of cotton manufacturing in the United States.

4069. A classification of man-made textile fibers. Rayon Organon 10(12):156-159. Nov. 7, 1939. (Published by Textile Economics Bureau, Inc., 21 East 40th St., New York, N.Y.) 304.8 T3128

4070. La conferencia internacional algodonera. Argentine Republic, Junta Nacional del Algodon, Boletin Mensual no.54, pp.707-710. October 1939. (Published at Buenos Aires, Argentina) 72.9 Ar3
 The international cotton conference.
 Report of the conference held in Washington, September 5-9, 1939.

4071. Cotton from Brazil. Com. & Financ. Chron. 149 (3880):2838. Nov. 4, 1939. (Published by William B. Dana Co., 25 Spruce St., New York, N.Y.) 286.8 C73
 From Hunt's Merchants' Magazine--March 1863.

4072. [Cotton-textile institute] Institute meeting considers problems induced by war. Cotton [Atlanta] 103(11):72-73. November 1939. (Published by W.R.C. Smith Publishing Co., Grant Bldg., Atlanta, Ga.) 304.8 C823
 Report of "the 13th annual meeting...held at the Waldorf-Astoria Hotel, New York City, on October 25."

4073. Dudley, J.W. The San Joaquin valley cotton meeting. Calif. Cult. 136(23):621,632. Nov. 18, 1939. (Published by Cultivator Publishing Co., Inc., Publishers Trade Bldg., 317 Central Ave., Los Angeles, Calif.) 6 C12
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